What is claimed:

1. A recombinant cell comprising (a) a recombinant polynucleotide encoding an endoplasmic reticulum degradation-enhancing alpha-mannosidase-like protein 2 (EDEM2) operably-linked to a constitutive promoter and (b) a recombinant polynucleotide that encodes a multi-subunit protein.

2. The recombinant cell of claim 1, wherein the EDEM2 comprises an amino acid sequence of SEQ ID NO: 8.

3. The recombinant cell of claim 1, wherein the EDEM2 comprises an amino acid sequence that is at least 92% identical to SEQ ID NO: 1.

4. The recombinant cell of any one of claims 1-3, further comprising a recombinant polynucleotide that encodes an unfolded protein response transcription factor that operates upstream of EDEM2.

5. The recombinant cell of claim 4, wherein the transcription factor is a spliced form of XBP-1.

6. The recombinant cell of claim 5, wherein the polynucleotide encoding a spliced form of XBP-1 has been operably-linked to a constitutive promoter.

7. The recombinant cell of claim 1 or 6, wherein the cell is a mammalian cell and the promoter is a mammalian ubiquitin C promoter.

8. The recombinant cell of any one of claims 5-7, wherein the spliced form of XBP-1 comprises an amino acid sequence of SEQ ID NO: 13.

9. The recombinant cell of any one of claims 5-7, wherein the spliced form of XBP-1 comprises an amino acid sequence that is at least 92% identical to SEQ ID NO: 9.

10. The recombinant cell of claim 9, wherein the spliced form of XBP-1 comprises an amino acid sequence of SEQ ID NO: 9.

11. The recombinant cell of any one of claim 6-10, comprising the recombinant polynucleotide comprising the nucleotide sequence of SEQ ID NO: 17 or SEQ ID NO: 18.

12. The recombinant cell of any one of claims 1-11, wherein the cell is a mammalian cell.

13. The recombinant cell of any one of claims 1-12, wherein the cell is a CHO cell.

14. The recombinant cell of any one of claims 1-13, wherein the multi-subunit protein is an antibody.

15. The recombinant cell of claim 14, wherein the antibody comprises a heavy chain or light chain polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NO:43, SEQ ID NO: 44, SEQ ID NO: 45 and SEQ ID NO: 46.

16. The recombinant cell of claim 15, wherein the antibody comprises a heavy chain polypeptide comprising the amino acid sequences of SEQ ID NO:43 and SEQ ID NO: 44.

17. The recombinant cell of claim 15, wherein the antibody comprises a light chain polypeptide comprising the amino acid sequences of SEQ ID NO:45 and SEQ ID NO: 46.

18. The recombinant cell of any one of claims 15-17, wherein the antibody comprises a heavy chain polypeptide comprising the amino acid sequences of SEQ ID NO: 43 and SEQ ID NO: 44, and a light chain polypeptide comprising the amino acid sequences of SEQ ID NO: 45, and SEQ ID NO: 46.

19. The recombinant cell of any one of claims 14-18, wherein the antibody is an anti-GDF8 antibody, an anti-ANG2 antibody, or an anti-AngPtl4 antibody.

20. The recombinant cell of claim 19, wherein the antibody is:

(i) an anti-GDF8 antibody comprises a heavy chain or light chain polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, or SEQ ID NO:22;

(ii) an anti-ANG2 antibody comprises a heavy chain or light chain polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO:27, SEQ ID NO:28, SEQ ID NO:29, or SEQ ID NO:30; or

(iii) an anti-AngPtl4 antibody comprises a heavy chain or light chain polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO:35, SEQ ID NO:36, SEQ ID NO:37, or SEQ ID NO:38.

21. The recombinant cell of claim 20, wherein the antibody is:

(i) an anti-GDF8 antibody comprises a heavy chain polypeptide comprising the amino acid sequence of SEQ ID NO:19 and a light chain polypeptide comprising the amino acid sequence of SEQ ID NO:21;

(ii) an anti-GDF8 antibody comprises a heavy chain polypeptide comprising the amino acid sequence of SEQ ID NO:20 and a light chain polypeptide comprising the amino acid sequence of SEQ ID NO:22;

(iii) an anti-ANG2 antibody comprises a heavy chain polypeptide comprising the amino acid sequence of SEQ ID NO:27 and a light chain polypeptide comprising the amino acid sequence of SEQ ID NO:29;

(iv) an anti-ANG2 antibody comprises a heavy chain polypeptide comprising the amino acid sequence of SEQ ID NO:28 and a light chain polypeptide comprising the amino acid sequence of SEQ ID NO:30;

(v) an anti-AngPtl4 antibody comprises a heavy chain polypeptide comprising the amino acid sequence of SEQ ID NO:35 and a light chain polypeptide comprising the amino acid sequence of SEQ ID NO:37; or

(vi) an anti-AngPtl4 antibody comprises a heavy chain polypeptide comprising the amino acid sequence of SEQ ID NO:36 and a light chain polypeptide comprising the amino acid sequence of SEQ ID NO:38.

22. The recombinant cell of claim 19, which comprises:

(i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-GDF8 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter;

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-GDF8 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter;

(iii) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-ANG2 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter;

(iv) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-ANG2 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter;

(v) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-AngPtl4 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter; or

(vi) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-AngPtl4 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter.

23. The recombinant cell of claim 22, which comprises any one of (a) - (c):

(a) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-GDF8 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter; and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-GDF8 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter;

(b) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-ANG2 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter; and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-ANG2 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter; or

(c) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-AngPtl4 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter; and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-AngPtl4 antibody, operably linked to a mammalian ubiquitin C promoter or a human CMV-IE promoter.

24. The recombinant cell of claim 19, which comprises:

(i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-GDF8 antibody, which comprises the amino acid sequence of SEQ ID NO: 19 or SEQ ID NO: 20;

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-GDF8 antibody, which comprises the amino acid sequence of SEQ ID NO: 21 or SEQ ID NO: 22;

(iii) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-ANG2 antibody, which comprises the amino acid sequence of SEQ ID NO: 27 or SEQ ID NO: 28;

(iv) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-ANG2 antibody, which comprises the amino acid sequence of SEQ ID NO: 29 or SEQ ID NO: 30;

(v) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-AngPtl4 antibody, which comprises the amino acid sequence of SEQ ID NO: 35 or SEQ ID NO: 36; or

(vi) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-AngPtl4 antibody, which comprises the amino acid sequence of SEQ ID NO: 37 or SEQ ID NO: 38.

25. The recombinant cell of claim 24, which comprises any one of (a) - (f):

(a) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-GDF8 antibody, which comprises the amino acid sequence of SEQ ID NO: 19; and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-GDF8 antibody, which comprises the amino acid sequence of SEQ ID NO: 21;

(b) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-GDF8 antibody, which comprises the amino acid sequence of SEQ ID NO: 20; and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-GDF8 antibody, which comprises the amino acid sequence of SEQ ID NO: 22;

(c) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-ANG2 antibody, which comprises the amino acid sequence of SEQ ID NO: 27 and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-ANG2 antibody, which comprises the amino acid sequence of SEQ ID NO: 29;

(d) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-ANG2 antibody, which comprises the amino acid sequence of SEQ ID NO: 28 and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-ANG2 antibody, which comprises the amino acid sequence of SEQ ID NO: 30;

(e) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-AngPtl4 antibody, which comprises the amino acid sequence of SEQ ID NO: 35 and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-AngPtl4 antibody, which comprises the amino acid sequence of SEQ ID NO: 37; or

(f) (i) a polynucleotide comprising the nucleotide sequence encoding a heavy chain polypeptide of an anti-AngPtl4 antibody, which comprises the amino acid sequence of SEQ ID NO: 36 and

(ii) a polynucleotide comprising the nucleotide sequence encoding a light chain polypeptide of an anti-AngPtl4 antibody, which comprises the amino acid sequence of SEQ ID NO: 38.

26. The recombinant cell of claim 19, which comprises:

(i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 23 or SEQ ID NO: 24, which encodes a heavy chain polypeptide of an anti-GDF8 antibody;

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 25 or SEQ ID NO: 26, which encodes a light chain polypeptide of an anti-GDF8 antibody;

(iii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 31 or SEQ ID NO: 32, which encodes a heavy chain polypeptide of an anti-ANG2 antibody;

(iv) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 33 or SEQ ID NO: 34, which encodes a light chain polypeptide of an anti-ANG2 antibody;

(v) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 39 or SEQ ID NO: 40, which encodes a heavy chain polypeptide of an anti-AngPtl4 antibody; or

(vi) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 41 or SEQ ID NO: 42, which encodes a light chain polypeptide of an anti-AngPtl4 antibody.

27. The recombinant cell of claim 26, which comprises any one of (a) - (f):

(a) (i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 23, which encodes a heavy chain polypeptide of an anti-GDF8 antibody; and

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 25, which encodes a light chain polypeptide of an anti-GDF8 antibody;

(b) (i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 24, which encodes a heavy chain polypeptide of an anti-GDF8 antibody; and

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 26, which encodes a light chain polypeptide of an anti-GDF8 antibody;

(c) (i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 31, which encodes a heavy chain polypeptide of an anti-ANG2 antibody; and

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 33, which encodes a light chain polypeptide of an anti-ANG2 antibody;

(d) (i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 32, which encodes a heavy chain polypeptide of an anti-ANG2 antibody; and

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 34, which encodes a light chain polypeptide of an anti-ANG2 antibody;

(e) (i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 39, which encodes a heavy chain polypeptide of an anti-AngPtl4 antibody; and

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 41, which encodes a light chain polypeptide of an anti-AngPtl4 antibody; or

(f) (i) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 40, which encodes a heavy chain polypeptide of an anti-AngPtl4 antibody; and

(ii) a polynucleotide comprising the nucleotide sequence of SEQ ID NO: 42, which encodes a light chain polypeptide of an anti-AngPtl4 antibody.

28. A cell line derived from the recombinant cell of any one of claims 1-27.

29. The cell line of claim 28, which produces the protein at a titer of at least 3 g/L.

30. The cell line of claim 28 or 29, which produces the protein at a titer of at least 5 g/L.

31. The cell line of any one of claims 28-30, which produces the protein at a titer of at least 8 g/L.

32. The cell line of any one of claims 28-31, wherein the cell line has an integrated cell density that is at least 30% greater than the integrated cell density of a cell line that does not comprise the recombinant polynucleotide that encodes EDEM2.

33. The cell line of any one of claims 28-32, wherein the cell line has an integrated cell density that is at least 50% greater than the integrated cell density of a cell line that does not comprise the recombinant polynucleotide that encodes EDEM2.

34. The cell line of any one of claims 28-33, wherein the cell line has an integrated cell density that is at least 60% greater than the integrated cell density of a cell line that does not comprise the recombinant polynucleotide that encodes EDEM2.

35. The cell line of any one of claims 28-34, wherein the cell line has an integrated cell density that is at least 90% greater than the integrated cell density of a cell line that does not comprise the recombinant polynucleotide that encodes EDEM2.

36. A method of making a multi-subunit protein comprising the step of culturing a recombinant cell of any one of claims 1-27 or a cell line of any one of claims 28-35 in medium, wherein the multi-subunit protein is secreted by the cell or cell line into the medium.

37. The method of claim 36, wherein the secreted multi-subunit protein attains a titer in the medium of at least 3 g/L.

38. The method of claim 36 or 37, wherein the secreted multi-subunit protein attains a titer in the medium of at least 5 g/L.

39. The method of any one of claims 36-38, wherein the secreted multi-subunit protein attains a titer in the medium of at least 6 g/L.

40. The method of any one of claims 36-39, wherein the secreted multi-subunit protein attains a titer in the medium of at least 8 g/L.

41. The method of any one of claims 36-40, wherein the cell divides in the medium to an integrated cell density of at least 5×10^7 cell-day/mL.

42. The method of any one of claims 36-41, wherein the cell divides in the medium to produce an integrated cell density of at least 1×10^8 cell-day/mL.

43. The method of any one of claims 36-42, wherein the cell divides in the medium to produce an integrated cell density of at least 1.5 x 10^8 cell-day/mL.

44. The method of any one of claims 36-43, further comprising the step of purifying the secreted multi-subunit protein from the medium.

45. An *ex vivo* mammalian cell comprising:

(a) a recombinant polynucleotide consisting of a nucleic acid sequence of SEQ ID NO: 14 or 15, which comprises a polynucleotide encoding EDEM2;

(b) a recombinant polynucleotide encoding a heavy chain polypeptide of an anti-ANG2 antibody, which consists of a nucleic acid sequence of SEQ ID NO: 32, and

(c) a recombinant polynucleotide encoding a light chain polypeptide of an anti-ANG2 antibody, which consists of a nucleic acid sequence of SEQ ID NO: 34.