25. The method of claim 24 further comprising recovering said recombinant polypeptide from culture medium.
26. A recombinant polypeptide made by the method of claim 24 or 25.
27. The recombinant polypeptide of claim 26 wherein said recombinant polypeptide comprises an amino acid sequence having 99% sequence identity to SEQ ID NO:1.
28. The recombinant polypeptide of claim 27 wherein said recombinant polypeptide consists of the amino acid sequence of SEQ ID NO:1.
29. A pharmaceutical composition comprising a recombinant polypeptide of claim 27 or 28.
30. A method of treating a patient in need thereof, comprising administering a therapeutically effective amount of a pharmaceutical composition of claim 29.
31. The method of claim 30 wherein said patient has a disease or condition selected from: type I, diabetes, type II diabetes, glucose intolerance, hyperglycemia, Alzheimer's disease, obesity, cardiovascular disorder, congestive heart failure, and retinopathy.
32. A host cell comprising at least one heterologous nucleic acid sequence encoding a Killer Expression protease (Kex2p) or functional fragment and/or variant thereof, at least one heterologous nucleic acid sequence encoding a Protein Disulfide-Isomerase (Pdi1) or a funcitonal fragment and/or variant thereof and at least one heterologous nucleic acid sequence encoding a Endoplasmic Reticulum Oxidoreductin (Ero1) or a functional fragment and/or variant thereof.
33. The host cell of claim 32 wherein said Kex2p or functional fragment and/or variant thereof is a functional gene product of SEQ ID NO:3.
34. The host cell of claim 32 wherein said Pdi1 or functional fragment and/or variant thereof is a functional gene product of SEQ ID NO:5.
35. The host cell of claim 32 wherein said Ero1 or functional fragment and/or variant is a functional gene product of SEQ ID NO:7.
36. The host cell of any one of claims 32 to 35 wherein said host cell is *S. cerevisiae*.
37. The host cell of claim 32 or 36 further comprising at least one nucleic acid encoding a recombinant polypeptide.
38. The host cell of claim 37 wherein said recombinant polypeptide comprises polypeptide having at least 99% sequence identity to the amino acid set forth in SEQ ID NO:1.

25. The method of claim 24 further comprising recovering said recombinant polypeptide from culture medium.
26. A recombinant polypeptide made by the method of claim 24 or 25.
27. The recombinant polypeptide of claim 26 wherein said recombinant polypeptide comprises an amino acid sequence having 99% sequence identity to SEQ ID NO:1.
28. The recombinant polypeptide of claim 27 wherein said recombinant polypeptide consists of the amino acid sequence of SEQ ID NO:1.
29. A pharmaceutical composition comprising a recombinant polypeptide of claim 27 or 28.
30. Use of an administration of a therapeutically effective amount of a pharmaceutical composition of claim 29 in the manufacture of a medicament for the treatment of a disease or condition in a patient.
31. The use of claim 30 wherein the disease or condition is selected from: type I diabetes, type II diabetes, glucose intolerance, hyperglycemia, Alzheimer's disease, obesity, cardiovascular disorder, congestive heart failure, and retinopathy.
32. A host cell comprising at least one heterologous nucleic acid sequence encoding a Killer Expression protease (Kex2p) or functional fragment and/or variant thereof, at least one heterologous nucleic acid sequence encoding a Protein Disulfide-Isomerase (Pdi1) or a funcitonal fragment and/or variant thereof and at least one heterologous nucleic acid sequence encoding a Endoplasmic Reticulum Oxidoreductin (Ero1) or a functional fragment and/or variant thereof.
33. The host cell of claim 32 wherein said Kex2p or functional fragment and/or variant thereof is a functional gene product of SEQ ID NO:3.
34. The host cell of claim 32 wherein said Pdi1 or functional fragment and/or variant thereof is a functional gene product of SEQ ID NO:5.
35. The host cell of claim 32 wherein said Ero1 or functional fragment and/or variant is a functional gene product of SEQ ID NO:7.
36. The host cell of any one of claims 32 to 35 wherein said host cell is *S. cerevisiae*.
37. The host cell of claim 32 or 36 further comprising at least one nucleic acid encoding a recombinant polypeptide.
38. The host cell of claim 37 wherein said recombinant polypeptide comprises polypeptide having at least 99% sequence identity to the amino acid set forth in SEQ ID NO:1.