WHAT IS CLAIMED IS:

1. A method for cultivating a CHO-K1 cell, comprising:

(a) propagating or maintaining the CHO-K1 cell in a cell culture medium to form a cell culture, wherein said cell culture medium is serum-free, and comprises hydrolysates, 0.6 ± 0.09 mM ornithine and 0.714 ± 0.11 mM putrescine ~~and polyamines~~, wherein the cell culture is maintained at a first temperature of about 35 °C to 38 °C during a growth phase; and

(b) propagating or maintaining the cell culture in the cell culture medium at a second temperature of about 29 °C to 37 °C during a production phase,

wherein the CHO-K1 cell expresses a receptor-Fc-fusion protein.

2. The method of claim 1, wherein step (b) comprises culturing the cell culture at a temperature of about 30 °C to 34 °C during the production phase.

~~3. The method of claim 1 or 2, wherein the cell culture medium comprises ornithine, or a combination of ornithine and putrescine.~~

~~4. The method of any one of claims 1-3, wherein the cell culture medium comprises ≥ 0.09 mM ± 0.014 mM ornithine.~~

~~5. The method of any one of claims 1-4, wherein the cell culture medium comprises ornithine at a concentration ranging from 0.09 ± 0.014 mM to 0.9 ± 0.14 mM.~~

~~6. The method of any one of claims 1-5, wherein the cell culture medium comprises 0.6 ± 0.09 mM ornithine and 0.714 ± 0.11 mM putrescine.~~

~~7~~3. The method of ~~any one of~~ claims ~~1-6~~ 1 or 2, wherein the receptor-Fc-fusion protein is produced at a titer of at least 100 mg/L.

~~8~~4. The method of ~~any one of~~ claims ~~1-6~~ 1 or 2, wherein the receptor-Fc-fusion protein is produced at a titer of at least 1 g/L.

~~9~~5. The method of any one of claims 1-~~4~~8, wherein the culture medium comprises less than or equal to 7.5 g/L soy hydrolysate.

~~10~~6. The method of any one of claims 1-~~9~~5, wherein the cell culture medium comprises:

(a) ≥ 40 ± 6 mM of a mixture of amino acids or salts thereof;

(b) one or more fatty acids;

(c) a mixture of nucleosides; or

(d) one or more divalent cations.

~~11~~7. The method of claim ~~10~~6, wherein:

(a) the mixture of amino acids or salts thereof comprises alanine, arginine, asparagine, aspartic acid, cysteine, glutamic acid, glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, serine, threonine, tryptophan, tyrosine and valine;

(b) the one or more fatty acids are selected from the group consisting of linoleic acid, linolenic acid, thioctic acid, oleic acid, palmitic acid, stearic acid, arachidic acid, arachidonic acid, lauric acid, behenic acid, decanoic acid, dodecanoic acid, hexanoic acid, lignoceric acid, myristic acid and octanoic acid;

(c) the mixture of nucleosides comprises one or more of adenosine, guanosine, cytidine, uridine, thymidine, or hypoxanthine; or

(d) the divalent cation is Ca2+, Mg2+, or both.

~~12. The method of any one of claims 1-11, wherein the CHO cell is a CHO DUX B-11 cell, a CHO DG-44 cell, a Veggie-CHO cell, a GS-CHO cell, an S-CHO cell, a CHO lec mutant cell, or CHO-K1 cell.~~

~~13~~8. The method of any one of claims 1-~~12~~7, wherein the method comprises a fed batch, continuous, semi-continuous or perfusion cell culture method.

~~14~~9. The method of any one of claims 1-~~13~~8, wherein the receptor-Fc-fusion protein is a VEGF trap protein.

~~15~~10. The method of any one of claims 1-~~14~~9, wherein the receptor-Fc-fusion protein is aflibercept.