

RPPB0187

Product Information Protein Information

Product SKU:

RPPB0187

Accession:

P01588

Host:

Chinese Hamster
Ovary Cells(CHO).

Protein description:

Erythropoietin-alpha Human Recombinant is produced in Chinese hamster ovary (CHO) cells by recombinant DNA technology is a single, polypeptide chain containing 166 amino acids and having a predicted molecular mass of 21,000 Dalton and apparent glycosylated molecular mass of 36-40kDa. EPO-a is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Erythropoietin-Alpha, EPO-a, EPO-alpha, EP, MGC138142.

Formulation:

Each mg of lyophilized powder contains 0.59 mg sodium citrate, 0.58 mg sodium chloride and 0.006 mg citric acid.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized EPO-alpha in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Erythropoietin-a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EPO-alpha should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

APPRLICDSR VLERYLLEAK EAENITTGCA EHC SLNENIT VPDTKVNFYA WKRMEVGQQA VEVWQGLALL
SEAVLRGQAL LVNSSQPWEP LQLHVVDKAVS GLRSLTLLR ALGAQKEAIS PPDAASAAPL RTITADTFRK
LFRVYSNFLR GKLKLYTGEA CRTGDR.

Biological Activity:

The Specific Activity was measured by Normocyth -aemic mice and was found to be 150,000 IU/mg.