

Human EPO a Recombinant Protein



RPPB0191

Product Information Protein Information

Product SKU:

RPPB0191

Accession:

P01588

Host:

Sf9, Insect cells.

Protein description:

Erythropoietin-alpha Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 174 amino acids (28-193a.a.) and having a molecular mass of 19.5kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).EPO-a is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Erythropoietin, Epoetin, MVCD2, EP, Erythropoietin-Alpha, EPO-a, EPO-alpha.

Formulation:

EPO a protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

APPRLICDSR VLERYLLEAK EAENITTGCA EHCSLNENIT VPDTKVNFYA WKRMEVGQQA VEVWQGLALL
SEAVLRGQAL LVNSSQPWEP LQLHVDKAVS GLRSLTLLR ALRAQKEAIS PPDAASAAPL RTITADTFRK
LFRVYSNFLR GKLKLYTGEA CRTGDRLEHH HHHH.

Biological Activity:

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is ≤ 0.5 ng/ml.