

32-1154: EPO a His Recombinant Protein

Alternative Name : Erythropoietin,EP,INN=Epoetin,EPO a,Erythropoietin-alpha, EPO.

Description

Source : Escherichia Coli. EPO a Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (28-193a.a.) and having a molecular mass of 20.9kDa.EPO a is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. EPO a is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. EPO a is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. EPO a also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types.

Product Info

Amount :	10 µg
Purification :	Greater than 80% as determined by SDS-PAGE.
Content :	EPO a protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	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 :	MGSSHHHHH SSGLVPRGSH MGSAPRLIC DSRVLERYLL EAKEAENITT GCAEHCSLNE NITVPDTKVNIFYAWKRMEVG QQAVEVWQGL ALLSEAVLRG QALLVNSSQP WEPLQLHVDK AVSGLRSLTT LLRALRAQKEAISPPDAASA APLRTITADT FRKLFRVYSN FLRGKCLKLYT GEACRTGDR.

