

## 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

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

