

Erythropoietin-alpha Human Recombinant, Sf9

Item Number	rAP-2187
Synonyms	Erythropoietin, Epoetin, MVCD2, EP, Erythropoietin-Alpha, EPO-a, EPO-alpha.
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-
Uniprot Accession Number	P01588
Amino Acid Sequence	APPRLICDSR VLERYLLEAK EAENITTGCA EHCSLNENIT VPDTKVNFYA WKRMEVGQQA VEVWQGLALL SEAVLRGQAL LVNSSQPWEP LQLHVDKAVS GLRSLTTLR ALRAQKEAIS PPDAASAAPL RTITADTFRK LFRVYSNFLR GKLKLYTGEA CRTGDRLEHH HHHH.
Source	Sf9, Insect cells.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	EPO a protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is ≤ 0.5 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**