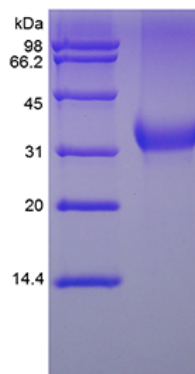


EPO

Recombinant Human Erythropoietin alpha

Catalog No.	CRE600C CRE600D	Quantity:	1.0 mg 50 µg
Alternate Names:	EPO, Epoetin		
Description:	Erythropoietin (EPO), a glycoprotein produced primarily by the kidney, is the principal factor that regulates erythropoiesis by stimulating the proliferation and differentiation of erythroid progenitor cells. Human EPO is processed from a 193 amino acid precursor protein to yield the mature, active protein that contains 166 amino acids. EPO contains one O-linked and three N-linked sites of glycosylation, which is required for biological activity in vivo.		
UniProt ID:	P01588		
Gene ID:	2056		
Source:	CHO cells		
Molecular Mass:	~21 kDa, predicted (166 aa). As a result of glycosylation, the recombinant protein migrates at 36-40 kDa in SDS-PAGE.		
Formulation:	Sterile-filtered sodium citrate buffer.		
Purity:	>95% by SDS-PAGE		
Endotoxin Level:	<0.01 EU/µg by LAL method		
Concentration:	~ 0.5 mg/ml, lot specific		
Specific Activity:	≥ 1.5 × 10 ⁵ IU/mg, determined by stimulation of reticulocyte production in normocythaemic mice.		
Amino Acid Sequence:	APPRLICDSR VLERYLLEAK EAENITTGCA EHCSLNENIT VPDTKVNFYA WKRMEVGQQA VEVWQGLALL SEAVLRGQAL LVNSSQPWEP LQLHVDKAVS GLRSLTLLR ALGAQKEAIS PPDAASAAPL RTITADTFRK LFRVYSNFLR GKLKLYTGEA CRTGDR		
Storage & Stability:	Upon receipt, store at 2-8°C for up to 1 week. Store aliquots at -20°C to -80°C for 1 year. Avoid repeated freeze/thaw cycles.		



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