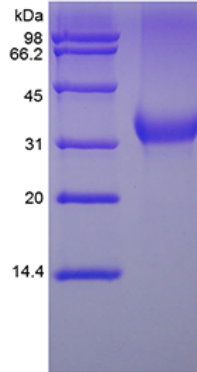


## EPO

### Recombinant Human Erythropoietin alpha

<b>Catalog No.</b>	CRE134C CRE134D	<b>Quantity:</b>	1.0 mg 50 µg
<b>Alternate Names:</b>	EPO, Epoetin		
<b>Description:</b>	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.		
<b>UniProt ID:</b>	P01588		
<b>Gene ID:</b>	2056		
<b>Source:</b>	CHO cells		
<b>Molecular Weight:</b>	22.27 kDa.		
<b>Formulation:</b>	Lyophilized from PBS, pH 7.4, 1 mM EDTA, 4% trehalose, 1% mannitol		
<b>Purity:</b>	>95% by SDS-PAGE and HPLC analyses		
<b>Endotoxin Level:</b>	< 0.01EU/µg of rHuEPO-α as determined by LAL method.		
<b>Biological Activity:</b>	~140 IU/µl prior to lyophilization		
<b>Specific Activity:</b>	≥ 1.5×10 <sup>5</sup> U/mg, determined by stimulation of reticulocyte production in normocythemic mice.		
<b>Amino Acid Sequence:</b>	APPRLICDSR VLERYLLEAK EAENITTGCA EHCSLNENIT VPDTKVNIFYA WKRMEVGQQA VEVWQGLALL SEAVLRGQAL LVNSSQPWEP LQLHVDKAVS GLRSLTLLR ALGAQKEAIS PPDAASAAPL RTITADTFRK LFRVYSNFLR GKLKLYTGEA CRTGDR		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. . Further dilution should be made in appropriate buffered solution.		
<b>Storage &amp; Stability:</b>	This lyophilized product is stable, as supplied for up to 1 year at -20°C to -80°C. Upon reconstitution under sterile conditions, the preparation is stable for up to 1 month at 2-8° C. For maximal stability, prepare working aliquots under sterile conditions and store at -20°C to -80°C or up to 3 months. <b>Avoid repeated freeze/thaw cycles.</b>		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)