9051 Mira Mesa Blvd, #910094
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EPO a Human, HEK

Erythropoietin-alpha Human Recombinant, HEK
GRF0046

Product Overview

Name	EPO a Human, HEK
Description	
Erythropoietin-alpha Human Recombinant, HEK	
Accession (Primary)	P01588
Synonyms	
Erythropoietin-Alpha, EPO-a, EPO-alpha, Epoetin, EP, MGC138142.	
Introduction	
This gene is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types.	
Source	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The EPO-alpha was lyophilized from 1mg/ml in 1xPBS.	
Stability	
Lyophilized EPO-alpha although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EPO-alpha should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95% as obsereved by SDS-PAGE.	
Biological Activity	
The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and is typically 0.5-2.5ng/ml, corresponding to a specific activity of 400,000-2,000,000 units/mg.	
Solubility	

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It is recommended to reconstitute the lyophilized EPO-alpha in sterile water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

EPO a Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01588)