9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EPO Rat

Erythropoietin Rat Recombinant
GRF0050

Product Overview

Name	EPO Rat
Description	
Erythropoietin Rat Recombinant	
Accession (Primary)	P29676
Synonyms	
Erythropoietin-Alpha, EPO-a, EPO-alpha, EP, MGC138142.	
Introduction	
Erythropoietin or EPO is a hormone (glycoprotein), part of the type I cytokine group of proteins. EPO is found mainly in the kidney tissue, produced from fibroblast-like cortical interstitial cells near the proximal tubules. EPO is also present in the blood, where it acts as red cell production regulator, by the promotion of differentiation of erythroid and thereby starts hemoglobin synthesis. Furthermore, EPO has neuroprotective activity towards brain injuries & anti-apoptotic activity in different tissues.	
Source	
HEK293 cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
EPO protein (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
DGSAPPRLIC DSRVLERYIL EAKEAENVTM GCAEGPRLSE NITVPDTKVN FYAWKRMKVE EQAVEVWQGL SLLSEAILQA QALQANSSQP PESLQLHIDK AISGLRSLTS LLRVLGAQKE LMSPPDATQA APLRTLTADT FCKLFRVYSN FLRGKLKLYT GEACRRGDR H HHHHH .	
Biological Activity	

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Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 2ng/ml.

Precautions

EPO Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P29676)