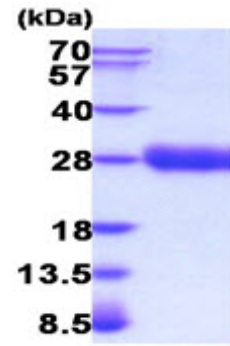


AR51963PU-N**Human Erythropoietin / EPO (28-193, His-tag) - Purified**

Alternate names:	Epoetin
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by absorbance at 280nm)
Background:	EPO, also known as erythropoietin, is a glycoprotein hormone in the type I cytokine family and is related to thrombopoietin. Its three N-glycosylation sites, four alpha helices, and N- to C-terminal disulfide bond are conserved across species. It is primarily produced in the kidney by a population of fibroblast-like cortical interstitial cells adjacent to the proximal tubules. This protein can be found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. It also has neuroprotective activity against a variety of potential brain injuries and anti-apoptotic functions in several tissue types. Recombinant human EPO, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Uniprot ID:	P01588
NCBI:	NP_000790
GenelD:	2056
Species:	Human
Source:	Insect cells
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol. Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)
Description:	AA Sequence: APPRLICDSR VLERYLLEAK EAENITTGCA EHCSLNENIT VPDTKVNIFYA WKRMEVGGQA VEVWQGLALL SEAVLRGQAL LVNSSQPWEP LQLHVDKAVS GLRSLTTLR ALRAQKEAIS PPDAASAAPL RTITADTFRK LFRVYSNFLR GKLKLYTGEA CRTGDRLEHH HHHH Specific Activity: Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is equal or less than 0.5 ng/ml. Molecular weight: 19.5 kDa (174aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Koury, M.J., et al. (2005) Exp. Hematol. 33:1263. Jelkmann W., et al. (2007) Eur J Haematol. 78:183-205

Pictures:



15% SDS-PAGE (3ug)