

Datasheet for ABIN7536274 EPOR Protein (His tag)



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Overview

Quantity:	100 µg
Target:	EPOR
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPOR protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse EPO-R/Epor Protein
Sequence:	APSPSLPDPK FESKAALLAS RGSEELLCFT QRLEDLVCFW EEAASSGMDF NYSFSYQLEG ESRKSCSLHQ APTVRGSRVF WCSLPTADTS SFVPLELQVT EASGSPRYHR IIHINEVLL DAPAGLLARR AEEGSHVVLRLWPPPGAPMT THIRYEVDVS AGNRAGGTQR VEVLEGRTEC VLSNLRGGTR YTFAVRARMA EPSFSGFWSA WSEPASLLTA SDLDP
Specificity:	Ala25-Pro249
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1EU/µg

Target Details

Target:	EPOR
Alternative Name:	EPO-R/Epor (EPOR Products)

Target Details

Background: Description: Erythropoietin (EPO) is the major glycoprotein hormone regulator of mammalian erythropoiesis, and is produced by kidney and liver in an oxygen-dependent manner. The biological effects of EPO are mediated by the specific erythropoietin receptor (EPOR/EPO Receptor) on bone marrow erythroblasts, which transmits signals important for both proliferation and differentiation along the erythroid lineage. EPOR protein is a type a... single-transmembrane cytokine receptor, and belongs to the homodimerizing subclass which functions as ligand-induced or ligand-stabilized homodimers. EPOR signaling prevents neuronal death and ischemic injury. Recent studies have shown that EPO and EPOR protein may be involved in carcinogenesis, angiogenesis, and invasion.

Name: EPO-R,Epor

Gene ID: 13857

UniProt: [P14753](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Concentration: 0.36 mg/mL

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.