Datasheet for ABIN7519969

EPOR Protein (Fc Tag,His tag)

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Overview

Quantity:	20 µg
Target:	EPOR
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPOR protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human Erythropoietin R/EPO-R Protein
Sequence:	APPPNLPDPK FESKAALLAA RGPEELLCFT ERLEDLVCFW EEAASAGVGP GNYSFSYQLE DEPWKLCRLH QAPTARGAVR FWCSLPTADT SSFVPLELRV TAASGAPRYH RVIHINEVVL LDAPVGLVAR LADESGHVVL RWLPPPETPM TSHIRYEVDV SAGNGAGSVQ RVEILEGRTE CVLSNLRGRT RYTFAVRARM AEPSFGGFWS AWSEPVSLLT PSDLDP
Specificity:	Ala25-Pro250
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human EPO Protein at 2µ g/mL (100 µL/well) can bind EPOR with a linear range of 0.24-12.02 ng/mL.

Target Details

Target:	EPOR
Alternative Name:	Erythropoietin R/EPO-R (EPOR Products)
Background:	Description: This protein is erythropoietin receptor which is a member of the cytokine receptor family. Upon erythropoietin binding, this receptor activates Jak2 tyrosine kinase which activates different intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. The stimulated erythropoietin receptor appears to have a role in erythroid cell survival. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. Dysregulation of this gene may affect the growth of certain tumors. Alternate splicing results in multiple transcript variants. Name: EPOR,EPO-R
Gene ID:	2057
UniProt:	P19235
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 votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS,0.1 mM EDTA and 0.1 % CHAPS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.