

Datasheet for ABIN7320425

EPOR Protein (His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Recombinant Mouse EPO Receptor/EPOR Protein (His Tag)(Active)
Sequence:	Met 1-Pro 249
Characteristics:	A DNA sequence encoding the extracellular domain of mouse EPOR (NP_034279.3) (Met 1-Pro 249) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its ability to inhibit EPO-dependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.1-0.5 µg/mL in the presence of 16 ng/mL Recombinant mouse EPO. 2. Measured by its binding ability in a functional ELISA. 3. Immobilized mouse EPOR-His at 10 µg/mL (100 µL/well) can bind biotinylated mouse EPO-His. The EC50 of biotinylated mouse EPO-His is 34.5-80.6 ng/mL.

Target Details

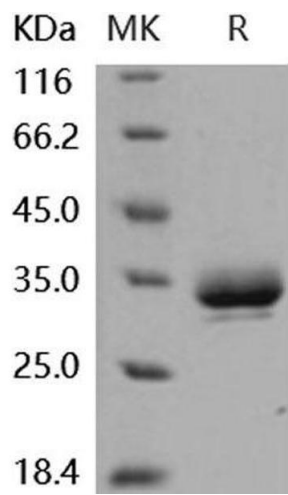
Target:	EPOR
Alternative Name:	EPO Receptor/EPOR (EPOR Products)
Background:	<p>Background: Erythropoietin (EPO) is the major glycoprotein hormone regulator of mammalian erythropoiesis, and is produced by kidney and liver in an oxygen-dependent manner. The biological effects of EPO are mediated by the 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 â... 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.</p> <p>Synonym: Epor</p>
Molecular Weight:	26.2 kDa
NCBI Accession:	NP_034279
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.