Active Recombinant Human EPOR Protein, Fc-tagged

Cat. No. EPOR-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPOR Protein (Ala 25 - Cys 241) (AAI12154), fused with a human IgG1 Fc tag at the C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala 25 - Cys 241
Form	Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human EPO, Tag Free at 10μg/mL (100 μL/well) can bind Human EPO R, Fc Tag with a linear range of 0.013-0.12 μg/mL.
Molecular Mass	Recombinant Human EPOR Protein has a calculated MW of 50.1 kDa. The protein migrates as 55-60 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>92% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.

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Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EPOR erythropoietin receptor [Homo sapiens]
Official Symbol	EPOR
Synonyms	EPOR; erythropoietin receptor; EPO-R; MGC138358;
Gene ID	2057
mRNA Refseq	NM_000121
Protein Refseq	NP_000112
MIM	133171
UniProt ID	P19235
Chromosome Location	19p13.3-p13.2
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage,

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	conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem;
Function	erythropoietin receptor activity; identical protein binding; protein binding; receptor activity;

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