

Recombinant Human EPOR protein, Fc-tagged

Cat. No. EPOR-28H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPOR protein(Met1-Pro 250)(NP_000112.1) was expressed in HEK293 with the C-terminal fused Fc region of human IgG1.
Species	Human
Source	HEK293
ProteinLength	1-250 aa
Form	Lyophilized from sterile PBS, 8% sucrose, 0.5% Tween-20, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized CD131 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human EPOR with a linear range of 0.16-4 µg/ml. 2. Measured by its ability to inhibit EPOdependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 4-16 ng/mL in the presence of 0.1 U/mL Recombinant Human EPO.
Molecular Mass	The recombinant human EPOR/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 460 amino acids and has a predicted molecular mass of 51.0 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhEPOR/Fc monomer is approximately 55-60 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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°C 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

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