

Active Recombinant Mouse Epor protein, His-tagged

Cat. No. Epor-2290M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Epor protein(NP_034279.3)(Met1-Pro249), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Pro249
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	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 10µg/mL (100µL/well) can bind biotinylated mouse EPO-His.The EC50 of biotinylated mouse EPO-His is 34.5-80.6ng/mL.
Molecular Mass	The recombinant mouse EPOR comprises 236 amino acids with a predicted molecular mass of 26.2 kDa. As a result of glycosylation, the apparent mplecular mass of rmEPOR is approximately 30-35 kDa in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. 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°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Epor erythropoietin receptor [Mus musculus]
Official Symbol	Epor
Synonyms	EPOR; erythropoietin receptor; EPO-R;
Gene ID	13857
mRNA Refseq	NM_010149
Protein Refseq	NP_034279

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