

Recombinant Mouse Epor protein(Met1-Pro249), hFc-tagged

Cat. No. Epor-499M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EPOR (NP_034279.3) (Met1-Pro249) was expressed in Insect Cells, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Pro249
Form	Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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 0.05-0.2 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 EPO-His at 10µg/mL (100 µL/well) can bind mouse EPOR-Fc. The EC50 of mouse EPOR-Fc is 0.06-0.13µg/mL.
Molecular Mass	The recombinant mouse EPOR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 463 amino acids and has a predicted molecular mass of 51.4 kDa. The apparent molecular mass of the protein is approximately 58.6 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 85 % 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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