

Active Recombinant Mouse Epo protein, His-tagged

Cat. No. Epo-7421M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Epo protein(P07321)(Met1-Arg192), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg192
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.
Bio-activity	1. Measured by its ability to bind biotinylated human EPOR-His in a functional ELISA.2. Measured by its ability to bind mouse EPOR-Fch in a functional ELISA.3. Measured by its ability to bind human EPOR & CD131-Fc in a functional ELISA.4. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 2-10 ng/mL.
Molecular Mass	The recombinant mouse EPO comprises 177 amino acids and has a predicted molecular mass of 20 kDa. The apparent molecular mass of the protein is approximately 37 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 96 % 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	Epo erythropoietin [Mus musculus]
Official Symbol	Epo
Synonyms	EPO; erythropoietin;
Gene ID	13856
mRNA Refseq	NM_007942
Protein Refseq	NP_031968

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