

Active Recombinant Mouse Epo Protein

Cat. No. Epo-966M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Epo (NP_031968.1) (Met1-Arg192) was expressed.
Species	Mouse
Source	HEK293
ProteinLength	1-192 a.a.
Predicted N Terminal	Ala 27
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	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 consists 166 amino acids and predicts a molecular mass of 18.6 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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 0.25 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](#)

MIM

UniProt ID

Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic c

Function

erythropoietin receptor binding; eukaryotic cell surface binding; hormone activity; protein kinase activator activity;

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