

# Mouse Erythropoietin / EPO (His Tag) recombinant protein



Catalog Number: 504106

## General Information

### Protein Construction

A DNA sequence encoding the mouse EPO (P07321) (Met1-Arg192) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind biotinylated human EPOR-His (Cat:502594) in a functional ELISA.
2. Measured by its ability to bind mouse EPOR-Fch (Cat:50031-M03H) in a functional ELISA.
3. Measured by its ability to bind human EPOR & CD131-Fc (Cat:CT010-H02H) in a functional ELISA.
4. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED<sub>50</sub> for this effect is typically 0.5-3 ng/ml.

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 27

### 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.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

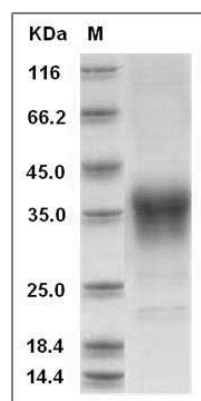
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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SDS-PAGE