Mouse EPOR/Erythropoietin Receptor (His Tag) recombinant protein

Catalog Number: 502029

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of mouse EPOR (NP_034279.3) (Met 1-Pro 249) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to inhibit EPOdependent proliferation of TF-1 human erythroleukemic cells. The ED_{50} 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 (Cat:504106).
The EC_{50} of biotinylated mouse EPO-His (Cat:504106) is 34.5-80.6ng/mL.

Purity

> 95 % 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℃

Predicted N terminal

Ala 25

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.

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

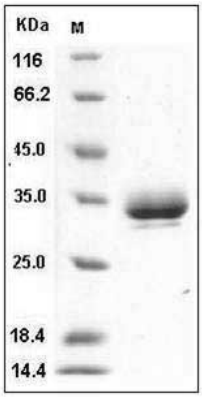
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



Mouse EPOR Protein (His Tag) SDS-PAGE