Human EPOR/Erythropoietin Receptor (His Tag) recombinant protein

Catalog Number: 502594

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 250) of human erythropoietin receptor (NP_000112.1) precursor was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit EPOdependent proliferation of TF-1 human erythroleukemic cells. The ED_{50} for this effect is typically 15-60 ng/mL in the presence of 0.1 U/mL Recombinant Human EPO.

Purity

> 98 % 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 secreted recombinant human EPOR consists of 237 amino acids and has a predicted molecular mass of 26.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhEPOR is approximately 34 kDa 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

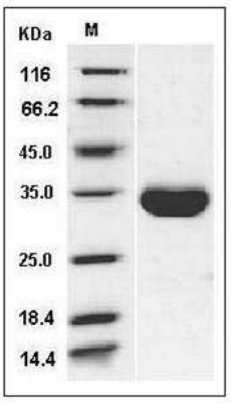
Storage

Store it under sterile conditions at -20℃ 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



Human EPO Receptor / EPOR Protein (His Tag) SDS-PAGE