

# 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<sub>50</sub> 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°C

### 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

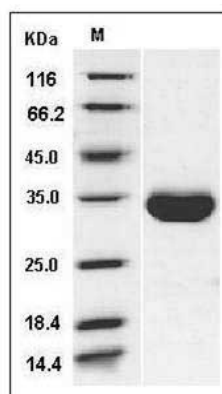
Store it under sterile conditions at -20°C to -80°C.

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



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