# Recombinant Mouse EPO-R/Epor Protein

**Catalog No.: RP01732**

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## Sequence Information

**Species**
Mouse

**Gene ID**
13857

**Swiss Prot**
P14753

**Tags**
C-6His

**Synonyms**
EPO-R;Epor

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by SDS-PAGE.

**Calculated MW**
25.53 kDa

**Observed MW**
30-35 kDa

**Endotoxin**
< 0.1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

**Reconstitution**
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

Erythropoietin (EPO) is the major glycoprotein hormone regulator of mammalian erythropoiesis, and is produced by kidney and liver in an oxygen-dependent manner. The biological effects of EPO are mediated by the specific erythropoietin receptor (EPOR/EPO Receptor) on bone marrow erythroblasts, which transmits signals important for both proliferation and differentiation along the erythroid lineage. EPOR protein is a type a… single-transmembrane cytokine receptor, and belongs to the homodimerizing subclass which functions as ligand-induced or ligand-stabilized homodimers. EPOR signaling prevents neuronal death and ischemic injury. Recent studies have shown that EPO and EPOR protein may be involved in carcinogenesis, angiogenesis, and invasion.

## Basic Information

### Description
Recombinant Mouse EPO-R/Epor Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala25-Pro249) of mouse EPO-R/Epor (Accession #NP_034279.3) fused with and a 6×His tag at the C-terminus.

### Activity

### Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

### Storage
Store at -20℃

### Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

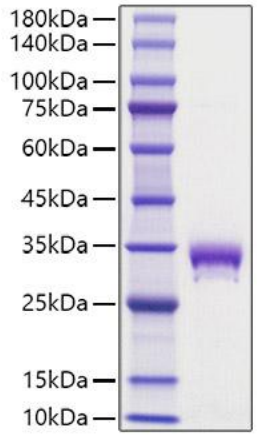
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## Validation Data




Recombinant Mouse EPO-R/Epor Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.