

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 250) of human EPOR (NP_000112.1) linked with the extracellular domain (Trp 17-Trp 443) of human CD131 (NP_000386.1) by a peptide linker was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind rat EPO-His (Cat:502642) in a functional ELISA.
2. Measured by its ability to bind mouse EPO-His (Cat:504106) in a functional ELISA.

Purity

> 90 % 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 recombinant human EPOR&CD131/Fc chimera is a disulfide-linked homodimer of EPOR&CD131-Fc heterodimer. The reduced EPOR& CD131-Fc comprises 906 amino acids and has a calculated molecular mass of 101 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 125 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

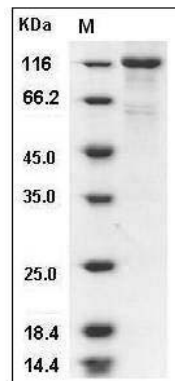
Storage

Store it under sterile conditions at -20°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 EPOR & CD131 Homodimer Protein SDS-PAGE