Active Recombinant Human EPOR & CD131 Protein, Fc-tagged

Cat. No. EPOR & CD131-1241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 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.
Species	Human
Source	HEK293
ProteinLength	1-250;17-443 a.a.
Predicted N Terminal	Ala 25
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its ability to bind rat EPO-His in a functional ELISA. 2. Measured by its ability to bind mouse EPO-His in a functional ELISA.
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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.

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Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EPOR erythropoietin receptor [Homo sapiens]
Official Symbol	EPOR
Synonyms	EPOR; erythropoietin receptor; EPO-R; MGC138358;
Gene ID	2057
mRNA Refseq	NM_000121
Protein Refseq	NP_000112
MIM	133171
UniProt ID	P19235
Chromosome Location	19p13.3-p13.2
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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	cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; Hematopoietic cell l
Function	erythropoietin receptor activity; identical protein binding; protein binding; receptor activity;

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