

Active Recombinant Human EPOR Protein, Fc-tagged

Cat. No. EPOR-29H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human EPOR Protein (Ala 25 - Cys 241) (AAI12154), fused with a human IgG1 Fc tag at the C-terminus, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| Protein Length | Ala 25 - Cys 241 |
| Form | Lyophilized from sterile 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose. |
| Bio-activity | Measured by its binding ability in a functional ELISA. Immobilized Human EPO, Tag Free at 10µg/mL (100 µL/well) can bind Human EPO R, Fc Tag with a linear range of 0.013-0.12 µg/mL. |
| Molecular Mass | Recombinant Human EPOR Protein has a calculated MW of 50.1 kDa. The protein migrates as 55-60 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation. |
| Endotoxin | Less than 1.0 EU per µg by the LAL method. |
| Purity | >92% as determined by SDS-PAGE. |
| Stability | Samples are stable for up to twelve months from date of receipt at -70°C. |

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Storage Store it under sterile conditions at -20°C~-70°C. 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 0.2 ug/ul. Centrifuge the vial at 4°C 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-cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage,

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conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem;

Function

erythropoietin receptor activity; identical protein binding; protein binding; receptor activity;

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