

## Recombinant Human EPOR Protein, His-tagged

Cat. No. EPOR-1434H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human EPOR Protein (Pro33-Leu210) with N-His tag was expressed in E. coli.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Pro33-Leu210  |
| <b>Description</b>      | <p>This gene encodes the erythropoietin receptor which is a member of the cytokine receptor family. Upon erythropoietin binding, this receptor activates Jak2 tyrosine kinase which activates different intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. The stimulated erythropoietin receptor appears to have a role in erythroid cell survival. Defects in the erythropoietin receptor may produce erythroleukemia and familial erythrocytosis. Dysregulation of this gene may affect the growth of certain tumors. Alternate splicing results in multiple transcript variants.</p> |
| <b>Form</b>             | Freeze-dried powder   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 23.2 kDa<br>Accurate Molecular Mass: 24 kDa   |
| <b>Purity</b>           | > 90%   |

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|                       |  |
|-----------------------|--|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.  |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | EPOR erythropoietin receptor [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | EPOR  |
| <b>Synonyms</b>        | EPOR; erythropoietin receptor; EPO-R; MGC138358;      |
| <b>Gene ID</b>         | 2057  |
| <b>mRNA Refseq</b>     | NM_000121   |
| <b>Protein Refseq</b>  | NP_000112   |
| <b>MIM</b>             | 133171  |

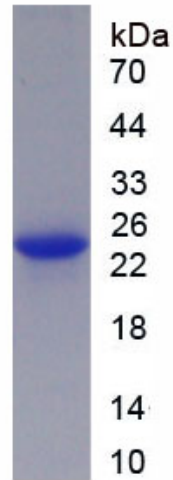
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UniProt ID

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