

## Recombinant Human EPOR protein, His & GST-tagged

Cat. No. EPOR-598H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EPOR (P19235) aa. (Arg276~Ala496) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg276~Ala496
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 55.8kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%

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<b>Characteristic</b>	The isoelectric point is 5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4

## GENE INFORMATION

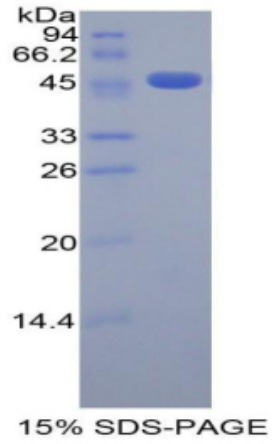
<b>Gene Name</b>	EPOR erythropoietin receptor [ Homo sapiens (human) ]
<b>Official Symbol</b>	EPOR
<b>Synonyms</b>	EPOR; erythropoietin receptor; EPO-R
<b>Gene ID</b>	2057
<b>mRNA Refseq</b>	NM_000121.3
<b>Protein Refseq</b>	NP_000112.1
<b>UniProt ID</b>	P19235

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SDS-PAGE



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