Recombinant Human EPOR protein, His & GST-tagged

Cat. No. EPOR-599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPOR (P19235) aa. (Pro33~Leu210) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro33~Leu210
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%

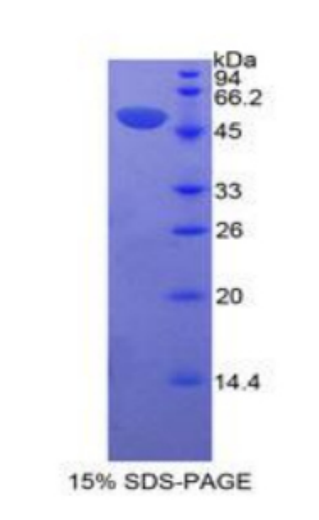
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Characteristic	The isoelectric point is 5.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

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

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SDS-PAGE	 15% SDS-PAGE

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