

Recombinant Human EPOR Protein, GST-tagged

Cat. No. EPOR-3424H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPOR full-length ORF (NP_000112.1, 1 a.a. - 508 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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.[provided by RefSeq, May 2010]
Molecular Mass	81.5 kDa
AA Sequence	MDHLGASLWPQVGSLCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEELLCFTER LEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAPTARGAVRFWCSLPT ADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVARLADESGHVVLRLWLP PPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYTFAVRARM AEPSFGGFWSAWSEPVSLTTPSDLPLILTLILVVLVLLTVLALLSHRRALKQKIWP GIPSPSEFEGLFTTHKGNFQLWLQYQNDGCLWWSPCTPFTEDPPASLEVLSERCW

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GTMQAVEPGTDDEGPLLEPVGSEHAQDTYLVLDKWLLPRNPPSEDLPGPGGSDIV
AMDEGSEASSCSSALASKPSPEGASAASFEYTILDPSSQLLRPWTLCPELPPTPHL
KYLYLVVSDSGISTDYSSGDSQGAQGGLSDGPYSNPYENSLIPAAEPLPPSYVACS

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

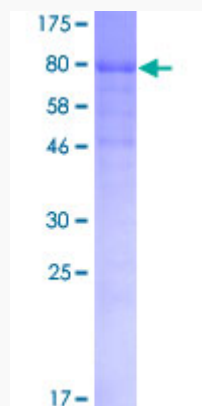
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UniProt ID

P19235

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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