

Recombinant Full Length Human EPOR Protein, GST-tagged

Cat. No. EPOR-4403HF **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	In Vitro Cell Free System
ProteinLength	508 amino acids
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	MDHLGASLWPQVGSCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEELLCFTER LEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAPTARGAVRFWCSLPT ADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVARLADESGHVLRWLP PPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYTFVRARM AEPSFGGFWSAWSEPVSLLTPSDLDPLILTLILVVLVLLTVLALLSHRRALKQKIWP

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GIPSPSEFEGLFTTHKGNFQLWLYQNDGCLWWSPCTPFTEDPPASLEVLSERCW
 GTMQAVEPGTDDEGPLLEPVGSEHAQDTYLVLDKWLLPRNPPSEDLPGPGGSDIV
 AMDEGSEASSCSSALASKPSPEGASAASFEYTILDPSSQLLRPWTLCPCLPPTPHL
 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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