

Recombinant Human EPOR Protein, Fc-tagged

Cat. No. EPOR-241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPOR protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	508
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	Lyophilized
Molecular Mass	50.1 kDa
AA Sequence	MDHLGASLWPQVGSCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEELLCTER LEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAPTARGAVRFWCSLPT ADTSSFVPLELRVTAASGAPRYHRVIHINEVLLDAPVGLVARLADESGHVLRWLP PPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYTFVRARM

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AEPSFGGFWSAWSEPVSLLTPSDLDPLILTLSLILVVILVLLTVLALLSHRRALKQKIWP
 GIPSPSEFEGLFTTHKGNFQLWLYQNDGCLWWSPCTPFTEDPPASLEVLSERCW
 GTMQAVEPGTDDEGPLLEPVGSEHAQDTYLVLDKWLLPRNPPSEDLPGPGGSDIV
 AMDEGSEASSCSSALASKPSPEGASAAFEYTILDPSQLLRPWTLCPCLPPTPPHL
 KYLYLVVSDSGISTDYSSGDSQGAQGGLSGDPYSNPYENSLIPAAEPLPPSYVACS

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	EPOR erythropoietin receptor [Homo sapiens (human)]
Official Symbol	EPOR

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Synonyms	EPOR; erythropoietin receptor; EPO-R; MGC138358;
Gene ID	2057
mRNA Refseq	NM_000121
Protein Refseq	NP_000112
MIM	133171
UniProt ID	P19235

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