

## Recombinant Human EPOR Protein, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human EPOR protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	508
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	50.1 kDa
<b>AA Sequence</b>	<p>MDHLGASLWPQVGSLCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEELLCFTER          LEDLVCFWEEAASAGVGPNGYSFSYQLEDEPWKLCRLHQAPTARGAVRFWCSLPT          ADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVARLADESGHVLRWLP          PPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYTF AVRARM</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AEPSFGGFWSAWSEPVSLLTPSDLDPLILTLILVVLVLLTVLALLSHRRALKQKIWP  
 GIPSESEFEGLFTTHKGNFQLWLWYQNDGCLWWSPCTPFTEPPASLEVLSEWCW  
 GTMQAVEPGTDDEGPLLEPVGSEHAQDTYLVLDKWLPRNPPSEDLPGGGSVDIV  
 AMDEGSEASSCSALASKPSPEGASAAFEYTILDPSSQLLRPWTLCPELPPTPPHL  
 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<sub>2</sub>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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<b>Synonyms</b>	EPOR; erythropoietin receptor; EPO-R; MGC138358;
<b>Gene ID</b>	<a href="#">2057</a>
<b>mRNA Refseq</b>	<a href="#">NM_000121</a>
<b>Protein Refseq</b>	<a href="#">NP_000112</a>
<b>MIM</b>	<a href="#">133171</a>
<b>UniProt ID</b>	<a href="#">P19235</a>

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