

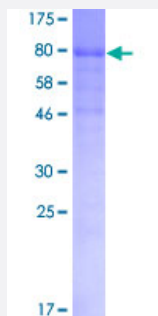
Full-Length

EPOR (Human) Recombinant Protein (P01)

Catalog # H00002057-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EPOR full-length ORF (NP_000112.1, 1 a.a. - 508 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDHLGASLWPQVGSCLLLAGAAWAPPPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCF
WEEAASAGVGPGNYSFSYQLEDEPWKLCRLHQAPTARGAVRFWCSLPTADTSSFVPLELRVTA
ASGAPRYHRVIHINEVLLDAPVGLVARLADESGHVLRWLPPPETPMTSHIRYEDVSAGNGAG
SVQRVEILEGRTECVLSNLRGRTRYFAVRARMAEPSFGGFWSAWSEPVSLLTPSDLDPLILTL
LILVVILVLLTVLALLSHRRALKQKWPGIPSPSEFEGLFTTHKGNFQLWLYQNDGCLWWSPCTPF
TEDPPASLEVLSERCWGTMQAVEPGTDDEGPLLEPVGSEHAQDTYLVLDKWLLPRNPPSEDLP
GPGGSVDIVAMDEGSEASSCSSALASKPSPEGASAASFYETILDPSSQLLRPWTLCPELPPTPP
HLKYLVLVSDSGISTDYSSGDSQGAQGGLSDGPYSNPYENSLIPAAEPLPPSYVACS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — EPOR

Entrez GeneID[2057](#)**GeneBank Accession#**[NM_000121.2](#)**Protein Accession#**[NP_000112.1](#)**Gene Name**

EPOR

Gene Alias

MGC138358

Gene Description

erythropoietin receptor

Omim ID[133100 133171](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The erythropoietin receptor is a member of the cytokine receptor family. Upon erythropoietin binding, the erythropoietin 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. [provided by RefSeq]

Other Designations

-

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Myeloproliferative Disorders](#)
- [Polycythemia Vera](#)
- [Thrombocythemia](#)