

Bioactive

EPOR (Human) Recombinant Protein

Catalog # P8579

Size 2 x 10 ug

Specification

Product Description	Human EPOR partial recombinant protein with His tag in C-terminus expressed in Baculovirus cells.
Sequence	APPPNLPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEP WKLCLRHQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLV ARLADESGHVLRWLPPPETPMTSHIRYVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYT FAVRARMAEPSFGGFWSAWSEPVSLTPSDLDPHHHHHH
Host	Viruses
Theoretical MW (kDa)	25.6
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	Chromatography
Purity	> 95% as determined by SDS-PAGE.
Activity	ED ₅₀ ≤ 70 ng/mL, measured by the ability to inhibit EPO dependent proliferation assay using TF-1 human erythroleukemic cells.
Storage Buffer	In? PBS, pH 7.4 (10% glycerol).
Storage Instruction	Stored at 4°C for 2-4 weeks, should be stored at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — EPOR

Entrez GeneID [2057](#)

Protein Accession# [P19235](#)

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](#)