

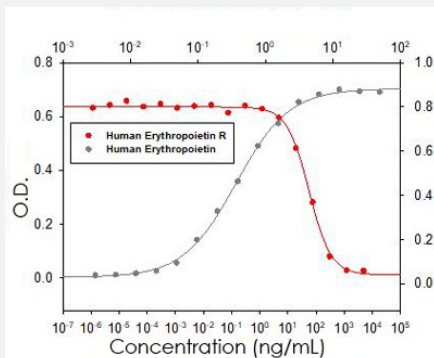
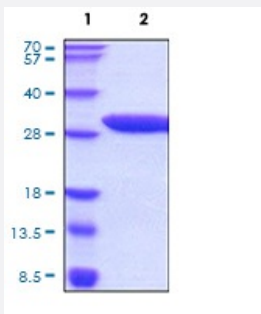
Bioactive

EPOR (Human) Recombinant Protein

Catalog # P7998

Size 50 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human EPOR (P19235, 25 a.a. - 250 a.a.) partial length recombinant protein with His tag expressed in Baculovirus expression system.

Sequence

APPPNLPDPKFESKAALLAARGPEELLCTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEP
WKLCLRHQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLV
ARLADESGHVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYT
FAVRARMAEPSFGGFWSAWSEPVSLTTPSDLDP

Host

Viruses

Theoretical MW (kDa)

25.6

Form

Liquid

Preparation Method	Baculovirus expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED ₅₀ is < 70 ng/mL, measured by the ability to inhibit proliferation using TF-1 human erythroleukemic cells.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

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

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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](#)