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**Product Data Sheet**


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Product Name: EPOR Human

Cat. No.: GP20198

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Erythropoietin Receptor; EPO-R; EPOR. Normal 0 false false false EN-US X-NONE HE MicrosoftInternetExplorer4-->		
Amino Acid Sequence	APPPNLPDPK FESKAALLAA RGPEELLCFT ERLEDLVCFW EEAASAGVGPNGYFSYQLE DEPWKLCRLH QAPTARGAVR FWCSLPTADT SSFVPLELRV TAASGAPRYH RVIHINEVLLDAPVGLVAR LADESGHVVL RWLPPPETPM TSHIRYVDV SAGNGAGSVQ RVEILEGRTE CVLSNLRGRT RYTF AVRARMAEPSFGGFWS AWSEPVSLLT PSDLDPHHHH HH. Normal 0 false false false EN-US X-NONE HE -->		
Formulation	EPOR protein solution (0.5mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol. Normal 0 false false false EN-US X-NONE HE -->		

**Introduction**

Erythropoietin receptor, also known as EPOR arbitrates erythropoietin-induced erythroblast proliferation as well as differentiation. During EPO binding, EPOR activates Jak2 tyrosine kinase which activates various intracellular pathways including: Ras/MAP kinase, phosphatidylinositol 3-kinase and STAT transcription factors. Furthermore, stimulated EPOR has a function in erythroid cell survival. Mutations in EPOR may possibly produce erythroleukemia and familial erythrocytosis. In addition, dysregulation of EPOR can affect on the growth of selected tumors.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

EPOR Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 232 amino acids (25-250 a.a) and having a molecular mass of 25.6kDa. (Migrates at 28-40kDa on SDS-PAGE under reducing conditions). EPOR is fused to an 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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