
Product Data Sheet

Product Name: EPO Rat
 Cat. No.: GP26018
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Erythropoietin-Alpha, EPO-a, EPO-alpha, EP, MGC138142.		
Amino Acid Sequence	DGSAPRLIC DSRVLERYIL EAKEAENVTM GCAEGPRLSE NITVPDTKVN FYAWKRMKVE EQAVEVWQGL SLLSEAILQA QALQANSSQP PESLQLHIDK AISGLRSLTS LLRVLGAQKE LMSPPDATQA APLRTLADT FCKLFRVYSN FLRGKCLKLYT GEACRRGDRH HHHHH.		
Formulation	EPO protein (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Erythropoietin or EPO is a hormone (glycoprotein), part of the type I cytokine group of proteins. EPO is found mainly in the kidney tissue, produced from fibroblast-like cortical interstitial cells near the proximal tubules. EPO is also present in the blood, where it acts as red cell production regulator, by the promotion of differentiation of erythroid and thereby starts hemoglobin synthesis. Furthermore, EPO has neuroprotective activity towards brain injuries & anti-apoptotic activity in different tissues.

Biological Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range \leq 2ng/ml.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC 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.

Background

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

Product Data Sheet

EPO Rat Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (27-192 a.a) containing 175 amino acids and having a molecular mass of 19.6 kDa. EPO is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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