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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Erythropoietin-alpha, human recombinant, His Tag (rhuEPO)

Catalog No: 99954
Lot No: XXXXX
Source: *E. coli*
Synonyms: Erythropoietin, EP, INN=Epoetin, EPO a, Erythropoietin-alpha, EPO

Background

EPO α is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four α -helical bundles. EPO α is found in the plasma and regulates red blood cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. EPO α also has a neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types.

Description

EPO α , human recombinant produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 189 amino acids (28-193 aa). It has a molecular mass of 20.9 kDa. EPO alpha is fused to a 23 amino acid His-tag at N-terminus and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered, clear solution.

Formulation

EPO α protein solution (1 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.4 M urea and 10% glycerol.

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.

Purity

Greater than 80% as determined by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.