

Product datasheet

Recombinant human EPO protein ab61916

Overview

Product name	Recombinant human EPO protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	CHO cells

Amino Acid Sequence

Species	Human
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Specifications

Our [Abpromise guarantee](#) covers the use of **ab61916** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	EPO alpha is fully biologically active when compared to standard. The Specific Activity measured by Normocyth-aemic mice was found to be 120,000IU/mg.
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Applications	SDS-PAGE Functional Studies
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Purity	> 95 % SDS-PAGE. PURITY: > 98% as determined by SDS-PAGE and HPLC. ENDOTOXIN: Less than 0.1 ng/μg (IEU/μg) of recombinant human EPO alpha.
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Form	Lyophilised
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Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Constituents: 0.058% Sodium citrate, 0.6% Citric acid, 0.058% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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Reconstitution	Reconstitute in ddH ₂ O to a total volume of 10-40 ul
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General Info

Relevance

Human erythropoietin is member of the EPO/TPO family and encodes a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. It is produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.

Cellular localization

Secreted

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