SHANGHAI GENOMICS

Recombinant Human erythropoietin

rHuEPO

Catalog number: SG3110-41

Specifications and Use

Source	● CHO cell
Molecular Mass	● 35-45kDa
Purity	● ≥ 98% as determined by SDS-PAGE and HPLC analyses
Biological Activity	● rHuEPO is fully biologically active when compared to standards. Its specific activity is $\geq 1.2\times10^5$ units/mg.
Endotoxin Level	● Less than $10EU/10^4$ IU of rHuEPO as determined by LAL method.
Formulation	● Sterile filtered lyophilized (freeze-dried) powder
Solubility	● It is recommended to reconstitute the lyophilized rHuEPO in sterile buffer to prepare a stock solution of no less than 100 μg/ml of the cytokine.
Stability	● The rHuEPO solution, though stable at room temperature, is best kept desiccated $2^-8\ ^0C$. ● Reconstituted rHuEPO aliquots should be stored at -20^oC for maximal stability up to three years. ● Avoid repeated freeze-thaw cycles.
Usage	● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE**.**

Recombinant Human erythropoietin

Erythropoietin (EPO) is a glycoprotein hormone produced primarily by the kidney and is the main factor regulating red blood cell production. The mature protein consists of a 165 amino acid polypeptide chain heavily glycosylated at three N-linked and O-linked glycosylation sites yielding a total molecular mass of 35-45kDa. About 40% of the fully glycosylated EPO molecule consists of carbohydrate.

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