

产品名称: GMP Recombinant Human EPO
产品货号: PCH90004

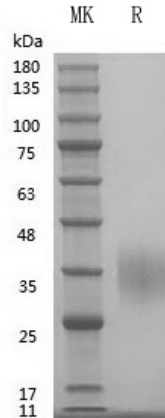


概述 (Summary)

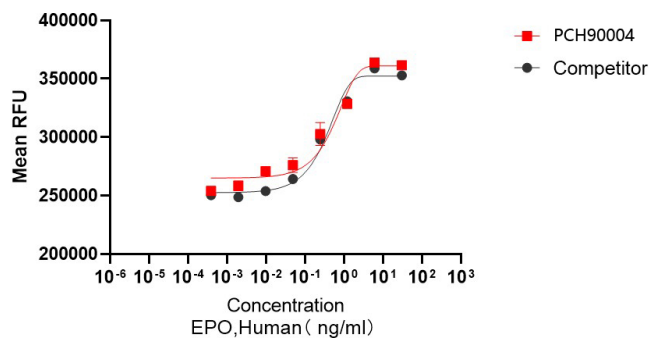
英文全称	EPO
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	≤10 EU/mg
蛋白构建 (Construction)	Recombinant Human EPO is produced by our Mammalian cell expression system and the target gene encoding Ala28-Arg193 is expressed.
Accession #	P01588
蛋白标签 (Tag)	Tag free
表达宿主 (Host)	Mammalian cell
种属 (Species)	Human
预测分子量 (Predicted MW)	18.3 kDa
蛋白形态 (Form)	Lyophilized
储存缓冲液 (Buffer)	10 mM PB, pH 7.4
运输方式 (Shipping)	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	36 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

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活性验证图 (Bioactivity image)



Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is ≤ 0.1 ng/mL.

背景 (Background)

分子别名 (Alternative Names)

Erythropoietin; Epoetin; EPO

背景介绍 (References)

Erythropoietin (EPO) is a glycoprotein hormone that is principally known for its role in erythropoiesis, where it is responsible for stimulating proliferation and differentiation of erythroid progenitor cells. Erythropoietin is a member of the EPO/TPO family. It is a secreted, glycosylated cytokine composed of four alpha helical bundles. The differentiation of CFU-E (Colony Forming Unit-Erythroid) cells into erythrocytes can only be accomplished in the presence of EPO. Physiological levels of EPO in adult mammals are maintained primarily by the kidneys, whereas levels in fetal or neonatal mammals are maintained by the liver. EPO also can exert various non-hematopoietic activities, including vascularization and proliferation of smooth muscle, neural protection during hypoxia, and stimulation of certain B cells. Genetic variation

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in erythropoietin is associated with susceptibility to microvascular complications of diabetes type 2. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy.

注意事项 (Note)

For research use only .