Active Recombinant Human EPO Protein, Animal Free

Cat. No. EPO-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPO Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	EPO belongs to the EPO/TPO protein family. EPO is an acidic hormone mainly produced by kidneys. EPO promotes erythroid progenitor cell differentiation and initiates hemoglobin synthesis. EPO acts by binding to a specific erythropoietin receptor (EPOR) present on the red blood cell precursor in the bone marrow, stimulating these cells to transform into mature erythrocytes. The EPO sensitivity progressively increases with differentiation of immature progenitor cells.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).
Molecular Mass	36 kDa
Endotoxin	<0.5 EU/ μg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8

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	centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS without carrier protein
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name	EPO erythropoietin [Homo sapiens (human)]
Official Symbol	EPO
Synonyms	EPO; erythropoietin; EP; epoetin; MVCD2; MGC138142;
Gene ID	2056
mRNA Refseq	NM_000799
Protein Refseq	NP_000790
MIM	133170
UniProt ID	P01588

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