

Active Recombinant Human EPO Protein

Cat. No. EPO-589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPO Protein was expressed without tag.
Species	Human
Description	Erythropoietin (EPO), a glycoprotein produced primarily by the kidney, is the principal factor that regulates erythropoiesis by stimulating the proliferation and differentiation of erythroid progenitor cells. The production of EPO by kidney cells is increased in response to hypoxia or anemia. Recombinant EPO has been approved for the treatment of anemia associated with chronic renal failure as well as for anemia of AZT treated AIDS patients.
Form	Sterile Filtered White lyophil
Bio-activity	Fully biologically active when compared to standard. The Specific Activity was measured by the stimulation of reticulocyte production in normocyth-aemic mice and is no less than 1.5×10^5 IU/mg.
AA Sequence	APPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNIFYAWKRMEVG QQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTTLLRALG AQKEAISPPDAASAAPLRITITADTFRKLFRVYSNFLRGKCLKLYTGEACRTGDR
Endotoxin	Less than 0.01 EU/μg of rHuEPO-a as determined by LAL method.
Purity	> 98% by SDS-PAGE and HPLC analyses.

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Storage This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze thaw cycles.

Storage Buffer Lyophilized from a 0.2 µm filtered concentrated solution in sodium citrate buffer.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

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_00799

Protein Refseq NP_00790

MIM 133170

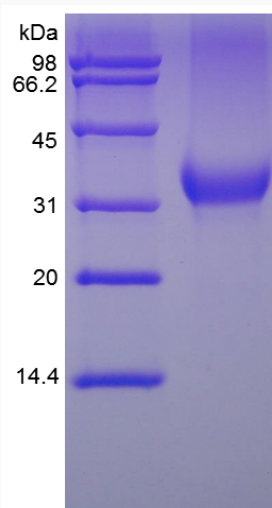
UniProt ID P01588

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SDS-PAGE



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