

EPO active protein

Recombinant Human EPO

CATALOG #
AAA214265

HOST
HEK293

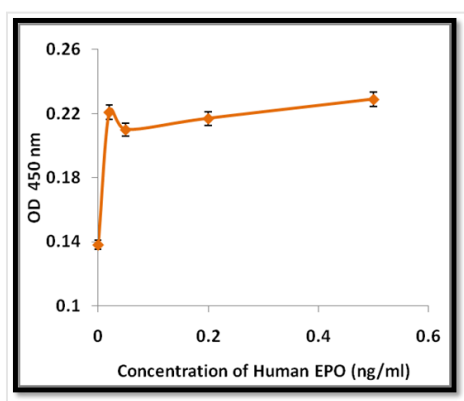
PRODUCT SYNONYMS

EPO; Recombinant Human EPO; Erythropoietin; Recombinant Human Erythropoietin-Alpha (EPO); EPO active protein

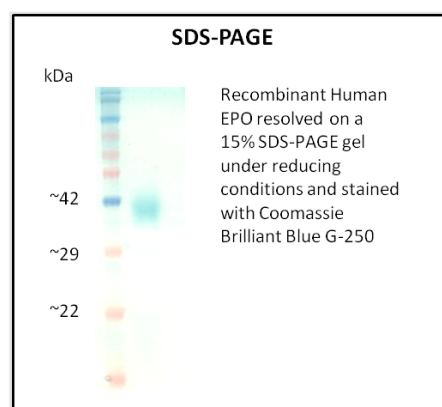
PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (pH 7)
Sequence Length	193
Bioactivity	Activity was determined by the dose-dependent proliferation assay using a factor-dependent human erythroleukemic cell line TF-1 and was found to be less than 0.2ng/ml
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for EPO active protein

EPO is predominantly synthesized and secreted by tubular and juxtatubular capillary, endothelial, and interstitial cells of the kidney. Approximately 10-15% of the total amount of EPO comes from extrarenal sources and is predominantly produced by hepatocytes and Kupffer cells of the liver. Approximately 40% of the molecular mass of EPO is due to its glycosylation. Glycosylation is an important factor determining the pharmacokinetic behaviour of EPO in vivo. Non-glycosylated Epo has an extremely short biological half life. Recombinant Human EPO is a glycosylated protein that runs at approximately 35 kDa owing to its glycosylation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62240997
NCBI GeneID	2056
NCBI Accession #	NP_000790.2
NCBI GenBank Nucleotide #	NP_000790.2
UniProt Accession #	P01588
Molecular Weight	20.0 kDa
NCBI Official Full Name	erythropoietin
NCBI Official Synonym Full Names	erythropoietin
NCBI Official Symbol	EPO
NCBI Official Synonym Symbols	EP; DBAL; ECT5; MVCD2
NCBI Protein Information	erythropoietin
UniProt Protein Name	Erythropoietin
UniProt Gene Name	EPO
UniProt Entry Name	EPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-active-protein/epo/214265>