

Erythropoietin/EPO Active Protein | EPO active protein

Active Recombinant Human Erythropoietin/EPO Protein

CATALOG #
AAA282552

HOST
HEK293 cells

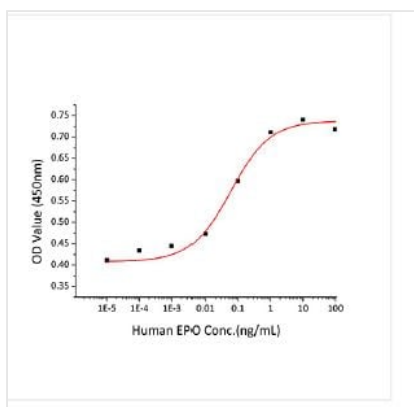
PRODUCT SYNONYMS

Erythropoietin/EPO; Active Recombinant Human Erythropoietin/EPO Protein; EPO; EP; MVCD2; EPO active protein

PRODUCT SPECIFICATIONS

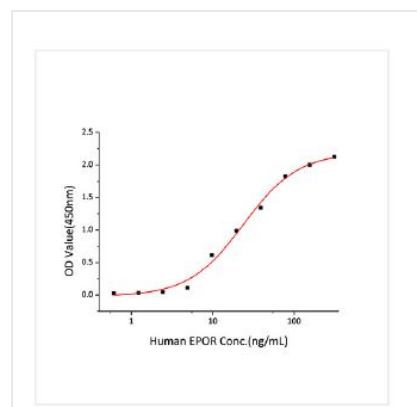
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	C-His
Bioactivity	1. Measured by its binding ability in a functional ELISA. Immobilized Human EPO Protein at 5 ug/mL (100 uL/well) can bind EPOR with a linear range of 0.12-23.83 ng/mL. 2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 0.03-0.12 ng/mL.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



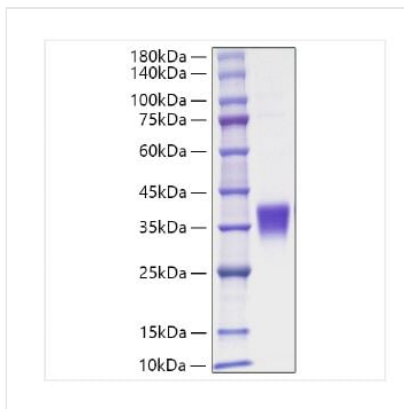
Application Data

Recombinant Human EPO stimulates cell proliferation of the TF 1 human erythroleukemic cells. The ED50 for this effect is 0.03-0.12 ng/mL.



Application Data

Immobilized Human EPO Protein at 5ug/mL (100 uL/well) can bind EPOR with a linear range of 0.12-23.83 ng/mL.



SDS-PAGE

Recombinant Human Erythropoietin/EPO Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.

ADDITIONAL INFORMATION

Related Product Information for EPO active protein	Active Recombinant Human Erythropoietin/EPO Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala28-Arg193) of human Erythropoietin/EPO (Accession #NP_000790.2) fused with a 6×His tag at the C-terminus.
Product Categories/Family for EPO active protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	62240997
NCBI GeneID	2056
NCBI Accession #	NP_000790.2
NCBI GenBank Nucleotide #	NM_000799.2
UniProt Accession #	P01588 ; Q2M2L6 ; Q549U2 ; Q9UDZ0 ; Q9UEZ5 ; Q9UHA0
Molecular Weight	21,307 Da
NCBI Official Full Name	erythropoietin
NCBI Official Synonym Full Names	erythropoietin
NCBI Official Symbol	EPO
NCBI Official Synonym Symbols	EP; MVCD2
NCBI Protein Information	erythropoietin; epoetin
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-cells-active-protein/erythropoietin-epo/282552>