

Erythropoietin/EPO Active Protein | EPO active protein

Recombinant Mouse Erythropoietin/EPO Protein

CATALOG # AAA48368	HOST Baculovirus	APPLICATIONS SDS-Page
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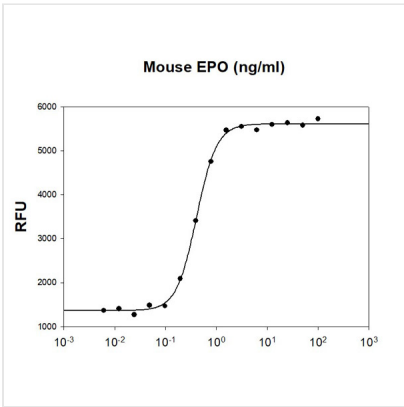
PRODUCT SYNONYMS

Erythropoietin/EPO; Recombinant Mouse Erythropoietin/EPO Protein; Erythropoietin; erythropoietin isoform 1 precursor; Epo; EPO active protein

PRODUCT SPECIFICATIONS

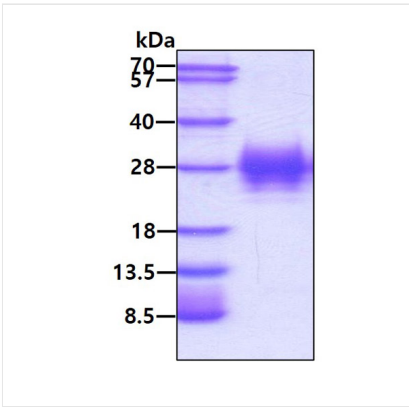
Host	Baculovirus
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	27-192aa
Sequence	MAPPR LICDSRVLER YILEAKEAEN VTMGCAEGPR LSENITVPDT KVNIFYAWKRM EVEEQAIQVW QGLSLLSEAI LQAQALLANS SQPPETQLH IDKAISGLRS LTSLLRVLGA QKELMSPPDT TPPAPLRTLT VDTFCKLFRV YANFLRGKLGK LYTGEVCRRG DR
Applicable Applications for EPO active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Mouse
Tag	His-Tag
Predicted N-term	Ala
Bioactivity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range <= 2ng/ml.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Mouse EPO stimulates cell proliferation of the TF-1 human erythroleukemic cells. The ED50 range



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for EPO active protein	EPO, also known as erythropoietin, is a glycoprotein hormone in the type I cytokine family and is related to thrombopoietin. It is primarily produced in the kidney by a population of fibroblast-like cortical interstitial cells adjacent to the proximal tubules. This protein can be found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. It also has neuroprotective activity against a variety of potential brain injuries and anti-apoptotic functions in several tissue types. Recombinant mouse EPO, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for EPO active protein	Angiogenesis; Cardiovascular; Proteins
References	Koury, M.J., et al. (2005) Exp. Hematol. 33:1263. Jelkmann W., et al. (2007) Eur J Haematol. 78:183-205.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P07321
Molecular Weight	19.8kDa (176aa)
UniProt Protein Name	Erythropoietin
UniProt Gene Name	Epo
UniProt Entry Name	EPO_MOUSE

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/baculovirus-active-protein/erythropoietin-epo/48368>