

Thrombopoietin Active Protein | mTPO active protein

Recombinant Mouse Thrombopoietin

CATALOG #
AAA38170

HOST
E Coli

PRODUCT SYNONYMS

Thrombopoietin; Recombinant Mouse Thrombopoietin; TPO Mouse; Thrombopoietin Mouse Recombinant; Megakaryocyte colony-stimulating factor; Myeloproliferative leukemia virus oncogene ligand; C-mpl ligand; ML; Megakaryocyte growth and development factor; MGDF; TPO; MKCSF; MPLLG; MGC163194; THPO; mTPO active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH7.4m, with 5% Trehalose.
Sequence	SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRL LGALQGLLGT QLPLQGRTTA HKDPNALFLS LQQLLRGKVR FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKF
Sequence Length	356
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Thrombopoietin in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using human MO7e cells is less than 1.0ng/mL, corresponding to a specific activity of greater than 1.0X10 ⁶ IU/mg.
Preparation and Storage	Lyophilized Thrombopoietin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TPO Mouse should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for mTPO active protein	Description: Thrombopoietin Mouse Recombinant produced in E Coli is a single, non-glycosylated soluble polypeptide chain containing 174 amino acids and having a molecular mass of 18704 Dalton. The TPO is purified by proprietary chromatographic techniques.
Product Categories/Family for mTPO active protein	Cytokines and Growth Factors ; Cytokines ; Thrombopoietin

NCBI AND UNIPROT INFORMATION

NCBI GI #	291045237
NCBI GeneID	21832
NCBI Accession #	NP_001166976.1
NCBI GenBank Nucleotide #	NM_001173505.1
UniProt Accession #	P40226; JC4227

NCBI Official Full Name	thrombopoietin isoform 1
NCBI Official Synonym Full Names	thrombopoietin
NCBI Official Symbol	Thpo
NCBI Official Synonym Symbols	MI; Tpo; Mgdf; Mpllg
NCBI Protein Information	thrombopoietin; C-mpl ligand; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; myeloproliferative leukemia virus oncogene ligand
UniProt Protein Name	Thrombopoietin
UniProt Gene Name	Thpo
UniProt Synonym Gene Names	ML; MGDF
UniProt Entry Name	TPO_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/e-coli-mtpo-active-protein/thrombopoietin/38170>