

Active Recombinant Mouse Thpo Protein

Cat. No. Thpo-6418M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse thrombopoietin (Thpo), transcript variant 2 without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	This gene encodes a humoral growth factor necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. The encoded protein is a ligand for the product of the myeloproliferative leukemia virus oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
Bio-activity	The ED50 was determined by the dose-dependent stimulation of the proliferation of human MO7e cells was found to be > 1.0 ng/mL, corresponding to a specific activity of > 1 × 10 ⁶ units/mg.
Molecular Mass	18.7 kDa
AA Sequence	SPVAPACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLGEWKTQTEQ SKAQDILGAVSLLLEGVMAARGQLEPSCLSLLGQLSGQVRLLLGALQGLLGTQLPL QGRRTAHKDPNALFLSLQQLLRGKVRFLLLVEGPTLCVRRRTLPTTAVPSSTSQLLTLN KF
Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)

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Purity	> 95% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 μM filtered solution of 20 mM phosphate buffer, 100 mM NaCl, pH 7.2

GENE INFORMATION

Gene Name	Thpo thrombopoietin [Mus musculus (house mouse)]
Official Symbol	Thpo
Synonyms	THPO; thrombopoietin; C-mpl ligand; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; myeloproliferative leukemia virus oncogene ligand; Ml; Tpo; Mgd; Tpo1; Tpo2; Tpo3; Tpo4; Mpllg
Gene ID	21832
mRNA Refseq	NM_009379
Protein Refseq	NP_033405
UniProt ID	P40226

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