

Active Recombinant Mouse Thpo protein, His-tagged

Cat. No. Thpo-97M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Thpo protein(NP_033405.1)(Met1-Thr356), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-356 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED50 for this effect is typically 1.6-6.4 ng/mL.
Molecular Mass	The recombinant mouse THPO consists of 346 amino acids with the predicted molecular mass of 37 kDa. As a result of glycosylation, rmTHPO migrates as an approximately 80-90 kDa band in SDS-PAGE under reducing conditions.
Proteinlength	Met1-Thr356
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Thpo thrombopoietin [<i>Mus musculus</i>]
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; Mgdf; Tpo1; Tpo2; Tpo3; Tpo4; Mpllg;
Gene ID	21832
mRNA Refseq	NM_001173505
Protein Refseq	NP_001166976

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