

Recombinant Mouse Thrombopoietin

Cat. No. Thpo-177M Lot. No. (See product label)

SPECIFICATION

Species Mouse

Source Mammalian Cells

Description Thrombopoietin (leukemia virus oncogene ligand, megakaryocyte growth and development factor), also known as THPO is a lineage-dominant hematopoietic cytokine. TPO is a glycoprotein hormone constitutively produced mainly by the liver and kidney and is the primary physiological regulator megakaryopoiesis and platelet production.

Molecular Weight The predicted molecular weight of Recombinant Mouse TPO is Mr 35 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 75 kDa. The actual molecular weight of 75 KDa is a result of glycosylation.

State Of Matter Lyophilized.

Purity >97% by SDS Page and analyzed by silver stain.

Endotoxin <0.1 ng per 1 g as determined by the LAL method.

Storage And Stability This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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GENE INFORMATION

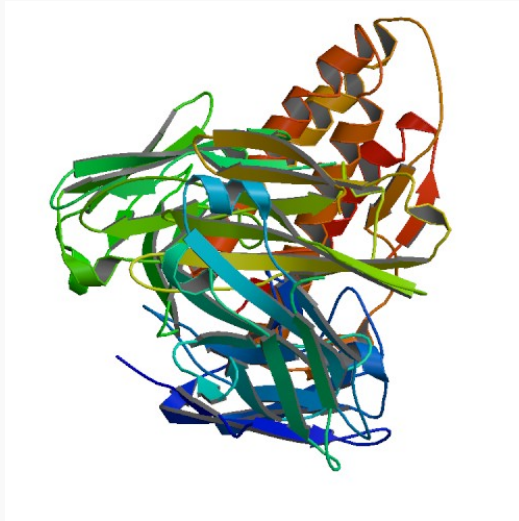
Gene Name	Thpo thrombopoietin [<i>Mus musculus</i>]
Synonyms	Thpo; thrombopoietin; TPO; Mpllg; TPO-1; TPO-2; TPO-3; TPO-4; Thpo; OTTMUSP00000023070; OTTMUSP00000023071; myeloproliferative leukemia virus oncogene ligand
Gene ID	21832
mRNA Refseq	NM_009379
Protein Refseq	NP_033405
UniProt ID	P40226
Chromosome Location	16 B1; 16 13.8 cM
Pathway	Hematopoietic cell lineage
Function	cytokine activity; hormone activity

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PDB rendering based
on 1v7m.



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