Recombinant Human THPO protein, His-tagged

Cat. No. THPO-99H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human THPO(Met1-Gly353) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Gly353
Predicted N Terminal	Ser 22
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant human THPO consists of 343 amino acids and predicts a molecular mass of 36.9 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated

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	freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	THPO thrombopoietin [Homo sapiens]
Official Symbol	THPO
Synonyms	ML; TPO; MGDF; MKCSF; MPLLG; THCYT1; thrombopoietin; MPL ligand; c-mpl ligand; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; megakaryocyte stimulating factor; myeloproliferative leukemia virus oncogene ligand; prepro-thrombopoietin
Gene ID	7066
mRNA Refseq	NM_000460
Protein Refseq	NP_000451
MIM	600044
UniProt ID	P40225

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Chromosome Location	3q27
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hemostasis, organism-specific biosystem
Function	cytokine activity; growth factor activity; hormone activity

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