

Recombinant Human THPO

Cat. No. THPO-29520TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein (Human)
Species	Human
Source	E.coli
ProteinLength	174 amino acids
Description	Megakaryocytopoiesis is the cellular development process that leads to platelet production. The protein encoded by this gene is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene. Alternate splicing results in multiple transcript variants of this gene.
Form	Lyophilised
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	Recombinant human TPO is a fully biologically active 174 amino acid polypeptide (18.6 kDa), which contains the erythropoietin-like domain of the full length TPO protein.SPAPPACDLR VLSKLLRDSH VLHSRLSQCP EVHPLPTPV LPAVDFSLGE WKTQMEETKA QDILGAVTLL LEGVMAARGQ LGPTCLSSLL GQLSGQVRLL LGALQSLLGT QLPPQGRRTA HKDPNAIFLS FQHLLRGKVR FLMLVGGSTL

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CVRRAPPTTA VPSRTSLVLT LNEL

Sequence Similarities
Belongs to the EPO/TPO family.

GENE INFORMATION

Gene Name THPO thrombopoietin [Homo sapiens]

Official Symbol THPO

Synonyms THPO; thrombopoietin; MGDF; c mpl ligand; megakaryocyte colony stimulating factor; megakaryocyte growth and development factor; megakaryocyte stimulating factor; MPL ligand; MPLLG; myeloproliferative leukemia virus oncogene ligand; thrombopoietin nirs var

Gene ID 7066

mRNA Refseq NM_000460

Protein Refseq NP_000451

MIM 600044

Uniprot ID P40225

Chromosome Location 3q27

Pathway Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Hemostasis, organism-specific biosystem; Platelet Aggregation (Plug Formation), organism-specific biosystem; Platelet activation, signaling and

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aggregation, organism-specific biosystem;

Function

cytokine activity; growth factor activity; hormone activity;

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