

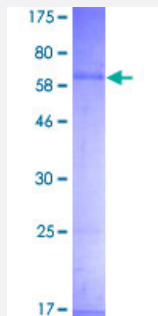
Full-Length

THPO (Human) Recombinant Protein (P01)

Catalog # H00007066-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human THPO full-length ORF (AA130323.1, 1 a.a. - 349 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MELTELLLVVMLLLTARLTSSPAPPACDLRVLSKLLRDSHVLHSRLSQCPVHPLPTPVLLPAVD
FSLGEWKTQMEETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQVRLLLGALQSLLGT
QGRTTAHKDPNAIFLSFQHLLRGKVRFLMLVGGSTLCVRRAPPTTAVPSRTSLVLTLNELPNRTSG
LLETNFTASARTTGSGLLKWQQGFRAKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPSRRT
LGAPDISSGTSDTGSLPPNLQPGYSPSPTHPPTGQYTLFPLPPTLPTPVVQLHPLLDPSPAPTPTP
TSPLLNTSYTHSQNLSQEG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.8

Interspecies Antigen Sequence

Mouse (71); Rat (75)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — THPO

Entrez GeneID[7066](#)**GeneBank Accession#**[BC130322.1](#)**Protein Accession#**[AAI30323.1](#)**Gene Name**

THPO

Gene Alias

MGC163194, MGDF, MKCSF, ML, MPLLG, TPO

Gene Description

thrombopoietin

Omim ID[187950 600044](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

MPL ligand|c-mpl ligand|megakaryocyte colony-stimulating factor|megakaryocyte growth and development factor|megakaryocyte stimulating factor|myeloproliferative leukemia virus oncogene ligand|thrombopoietin nirs variant 1

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Thrombocythemia](#)
- [Werner syndrome](#)