

Bioactive

HuPro®

THPO (Human) Recombinant Protein

Catalog # P7584

Size 10 ug

Specification

Product Description	Human THPO (P40225, 22 a.a. - 353 a.a.) partial recombinant protein with His tag at N-terminus and C-terminus expressed in Human cells.
Sequence	SPAPPACDLRVLSKLLRDSHVLHSRLSQCEVHPLPTPVLLPAVDFSLGEWKTQMEETKAQDIL GAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQVRLLLGALQSLLGTQLPPQGRRTAHKDPNAIFL SFQHLLRGKVRFLMLVGGSTLCVRRAPPTTAVPSRTSLVLTNELPNRTSGLLETNFTASARTTGS GLLKWQQGFRAKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPSRRTLGAPOISSGTSDDTGS LPPNLQPGYSPSPTHPPTGQYTLFPLPPTLPTPVVQLHPLLDPDSAPTPTPTSPLLNTSYTHSQNL SQEG
Host	Human
Theoretical MW (kDa)	75-90
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED ₅₀ was determined in a cell proliferation assay using MO7e human megakaryocytic leukemic cells is < 0.5 - 5.0 ng/mL.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

- SDS-PAGE

Gene Info — THPO

Entrez GeneID	7066
Protein Accession#	P40225
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](#)