

Bioactive

HuPro®

THPO (Human) Recombinant Protein

Catalog # P9286

Size 2 x 10 ug

Specification

Product Description	Human THPO partial recombinant protein with His tag in C-terminus expressed in HEK293 cells.
Sequence	DGSHMSPAPPACDLRVLSKLLRDSHVLHSRLSQCEVHPLPTPVLLPAVDFSLGEWKTQMEET KAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQVRLLLGALQSLTGTQLPPQGRTTAHKD PNAIFLSFQHLLRGKVRFLMLVGGSTLCVRRAPPTTAVPSRTSLVLTNLNLPNRTSGLLETNFTAS ARTTGSGLLKWQQGFRAKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPSRRTLGAPOISSG TSDTGSLPPNLQPGYSPSPTHPPTGQYTLFPLPPTLPTPVVQLHPLLDPSPAPTPTPTSPLLNTSY THSQNLSQEGHHHHHH
Host	Human
Theoretical MW (kDa)	36.8
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Activity	ED ₅₀ ≤ 10 ng/mL, measured by cell proliferation assay using MO7e human megakaryocytic leukemic cells.
Storage Buffer	Solution (0.25 mg/mL) containing 1X PBS, pH 7.4, 10% glycerol.
Storage Instruction	Store at 4°C for one weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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](#)