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Datasheet

THPO (Human) Recombinant Protein

Catalog Number: P3680

Regulation Status: For research use only (RUO)

Product Description: Human THPO (P40225, 1 a.a. - 353 a.a.) full-length recombinant protein. expressed in CHO cells.

Sequence:
MELTELLLVVMLLLTARLTLSSPAPPACDLRVLSKLLRD
SHVLHSRLSQCPEVHPLPTPVLLPAVDFSLGEWKTQM
EETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQL
SGQVRLLLGALQSLLGTQLPPQGRTTAHKDPNAIFLSF
QHLLRGKVRFLMLVGGSTLCVRRAPPTTAVPSRTSLV
LTLNELPNRTSGLLETNFTASARTTGSGLLKWQQGFR
AKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPS
RRTLGAPDISSGTSDTGSLPPNLQPGYSPSPTHPPTG
QYTLFPLPPTLPTPVVQLHPLLPDPSAPTPTPTSPLLNT
SYTHSQNLSQEG

Host: Mammals

Theoretical MW (kDa): 80

Applications: Func, SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Lyophilized

Preparation Method: Mammalian cell (CHO) expression system

Purification: Ion exchange column and HPLC reverse phase column

Purity: > 90% by SDS-PAGE and HPLC

Endotoxin Level: < 0.1 ng/ug (1 EU/ug)

Activity: The ED_{50} was determined by the dose-dependent proliferation of Mo7e cells, was found to be in the range of 1.0-2.0 ng/mL.

Storage Buffer: Lyophilized from PBS, pH 7

Storage Instruction: Store at -20°C on dry atmosphere for 2 years.
After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7066

Gene Symbol: THPO

Gene Alias: MGC163194, MGDF, MKCSF, ML, MPLLG, TPO

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]