

Recombinant Human THPO Protein

Catalog #	Source	Reactivity	Applications
CRP2383	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human THPO Protein is produced by our mammalian expression system and the target gene encoding Ser22-Gly353 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.		
Gene Symbol	THPO		
Alternative Names	MGDF; Thrombopoietin; C-mpl ligand; ML; Megakaryocyte colony-stimulating factor; Megakaryocyte growth and development factor; MGDF; Myeloproliferative leukemia virus oncogene ligand		
Entrez Gene	7066 (Human)		
SwissProt	P40225 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	HHHHHHSPAP PACDLRVLSK LLRDSHVLHS RLSQCPEVHP LPTPVLLPAV DFSLGEWKTK MEETKAQDIL GAVTLLLEGV MAARGQLGPT CLSSLLGQLS GQVRLLLGAL QSLLGTQLPP QGRTTAHKDP NAIFLSFQHL LRGKVRFLML VGGSTLCVRR APPTTAVPSR TSLVLTNLEL PNRTSGLLET NFTASARTTG SGLLKWQQGF RAKIPGLLNQ TSRSLDQIPG YLNRIHELLN GTRGLFPGPS RRTLGA PDIS SGTSDTGSLP PNLQPGYSPS PTHPPTGQYT LFPLPPTLPT PVVQLHPLL DPAPTPTPT SPLNNTSYTH SQNLSQEGVD HHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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