

THPO Recombinant Human Thrombopoietin

Catalog No.	CRT400A CRT400B CRT400C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	TPO, MGDF, MKCSF, ML, MPLLG		
Gene ID:	7066		
Protein Accession No:	NP_000451		
Description:	Recombinant human THPO is a single, non-glycosylated, soluble polypeptide chain containing 174 amino acids, which comprises the receptor binding domain of the Mpl ligand protein.		
Source:	<i>E. coli</i>		
Molecular Weight:	18.6 kDa		
Formulation:	Lyophilized from a sterile filtered solution in water without additives		
Purity:	> 98.0% as determined by RP-HPLC and SDS-PAGE analyses		
Endotoxin Level:	< 0.1 ng/µg of THPO		
Biological Activity:	Determined by the dose-dependent stimulation of MO7e cells. The ED ₅₀ is <1.0 ng/ml.		
Specific Activity:	1.0 x 10 ⁶ IU/mg		
Amino Acid Sequence:	The sequence of the first five N-terminal amino acids is Ser-Pro-Ala-Pro-Pro.		
Reconstitution:	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

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