

Recombinant Mouse Thrombopoietin

Catalog No.	CRT401A CRT401B CRT401C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	c-mpl ligand, MGDF, MKCSF, ML, MPLLG, THPO		
Description:	Recombinant Mouse Thrombopoietin is a single, non-glycosylated soluble polypeptide chain containing 174 amino acids which comprises the receptor binding domain of the Mpl-ligand protein.		
GeneID:	21832		
Protein Accession No:	NP_033405		
Source:	<i>E. coli</i>		
Molecular Weight:	18.7 kDa		
Formulation:	Lyophilized from a concentrated (1 mg/ml), sterile filtered solution in water containing no additives.		
Purity:	> 98% as determined by RP-HPLC and SDS-PAGE analyses		
Endotoxin Level:	< 0.1 ng/µg of thrombopoietin		
Biological Activity:	Determined by the dose-dependant stimulation of MO7e cells. The ED ₅₀ is < 1 ng/ml.		
Specific Activity:	1 x 10 ⁶ IU/mg.		
Amino Acid Sequence:	The sequence of the first five N-terminal amino acids is Ser-Pro-Val-Ala-Pro.		
Reconstitution:	Centrifuge vial prior to opening. First add sterile 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. Store reconstituted protein at 2-4°C for one week and at -20°C to -80°C for long term storage. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. 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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