

## Thpo

### Recombinant Mouse Thrombopoietin

<b>Catalog No.</b>	CSI12329	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	C-mpl ligand, Megakaryocyte colony-stimulating factor, MGDF, Myeloproliferative leukemia virus oncogene ligand		
<b>Description:</b>	TPO is a lineage specific growth factor, produced in the liver, kidney and skeletal muscle. It stimulates the proliferation and maturation of megakaryocytes, and promotes increased circulating levels of platelets in vivo. TPO signals through the c-mpl receptor and acts as an important regulator of circulating platelets. Human and murine TPO exhibits cross-species reactivity. Recombinant murine TPO is fully biologically active and contains the erythropoietin-like domain of the full length TPO protein.		
<b>UniProt ID:</b>	P40226		
<b>GeneID:</b>	21832		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	18.7 kDa (174 aa)		
<b>Formulation:</b>	Sterile filtered and lyophilized from 10 mM Tris, pH 8.0.		
<b>Purity:</b>	>98% by SDS-PAGE and HPLC analyses.		
<b>Endotoxin Level:</b>	< 1 EU/µg		
<b>Biological Activity:</b>	ED <sub>50</sub> < 1.0 ng/ml, determined by the dose-dependent stimulation of the proliferation of human MO7e cells.		
<b>Specific Activity:</b>	> 1 x 10 <sup>6</sup> units/mg		
<b>Amino Acid Sequence:</b>	SPVAPACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLGEWKTQTEQSK AQDILGAVSLLLEGVMAARGQLEPSCSSLLGQLSGQVRLLLGALQGLLGTQLPLQGRT TAHKDPNALFSLQQLLRGKVRFLLLVEGPTLCVRRTLPTTAVPSSTSQLLTLNKF		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile water to the vial to a concentration of 0.1 - 1.0 mg/mL. <b>Do not vortex.</b> After complete solubilization of the protein, it may be further diluted with other solutions containing a carrier protein such as 0.1 % BSA.		
<b>Storage &amp; Stability:</b>	The lyophilized protein is stable at -20°C to -80° for up to 1 year. Reconstituted working aliquots are stable for 1 week at 2-8°C and for 3 months at -20°C to -80°C. <b>Avoid repeated freeze/thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

