

## Overview

<b>Synonyms</b>	Thrombopoietin, Megakaryocyte colony-stimulating factor, c-MPL Ligand, MGDF
<b>Description</b>	<b>Thrombopoietin (TPO)</b> , also known as C-mpl ligand, MGDF and Thpo, is a glycoprotein hormone belonging to the EPO/TPO family. It is expressed mainly in the liver, kidney and skeletal muscle. TPO binds and signals through MLP/C_MPL receptor. It stimulates the proliferation and maturation of megakaryocytes from their committed progenitor cells, and it regulates the production and circulation of platelets. TPO has also been reported to promote the apoptosis of hypoxia-sensitized neurons and to inhibit neuronal differentiation.
<b>Accession No</b>	P40226
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>Biological Activity</b>	ED <sub>50</sub> < 2 ng /ml, measured in a proliferation assay using MO7e cells.
<b>Sequence</b>	<pre> SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSLL GQLSGQVRL L GALQGLLGT QLPLOGRRTA HKDPNALFLS LQQLLRGKVR FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKFPNRTSG LLETNFSVTA RTAGPGLLSR LQGFVRVKITP GQLNQTSRSP VQISGYLNRT HGPVNGTHGL FAGTSLQTL ASDISPGAFN KGSLAFNLQG GLPPSPSLAP DGHTPFPPSP ALPTTHGSP QLHPLFPDPS TMPNSTAPH PVTMPHPRN LSQET </pre>

## Properties

<b>Measured Molecular Weight</b>	30-80 kDa, observed by reducing SDS-PAGE.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/ml..
<b>Endotoxin Level</b>	< 0.2 EU/µg, determined by LAL method.
<b>Storage</b>	Lyophilized recombinant <b>murine Thrombopoietin (TPO)</b> remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, murine Thrombopoietin (TPO) should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only

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