

## C-MPL Protein, Rat (sf9, His)

Cat. No.:	HY-P74243
Synonyms:	CD110; c-Mpl; MPL; MPLV; Thrombopoietin R; TPO-R
Species:	Rat
Source:	Sf9 insect cells
Accession:	XP_001072502 (M1-A500)
Gene ID:	366455
Molecular Weight:	Approximately 55 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 3 mM DTT, 10% Glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The thrombopoietin receptor, also known as myeloproliferative leukemia protein or CD110 (differentiated cluster 110), is a protein encoded in humans by the myeloproliferative leukemia virus oncogene. C-MPL can activate thrombopoietin receptors, participate in bone marrow cell homeostasis, and platelet aggregation and actively regulate the process of platelet formation. C-MPL is involved in the phosphorylation of < B.AK /STAT/MAPK family proteins. C-MPL is a biomarker for thrombocytopenia <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA