

C-MPL Protein, Human (HEK293, His)

Cat. No.:	HY-P78002
Synonyms:	TPO-R; CD110; MPL; c-Mpl; MPLV; K12
Species:	Human
Source:	HEK293
Accession:	P40238 (Q26-W491)
Gene ID:	4352
Molecular Weight:	68-70 kDa

PROPERTIES

Biological Activity	Measured by its binding ability in a functional ELISA. When immobilized Human c-MPL, His Tag at 0.2 µg/mL, can bind Anti-c-MPL Antibody, hFc Tag with the EC ₅₀ of 14.3 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant 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 ₂ 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	C-MPL Protein serves as the receptor for thrombopoietin, playing a pivotal role as a primary regulator of megakaryopoiesis and platelet production. Its involvement suggests a potential regulatory function specific to TPO-R-dependent immune responses. The protein forms homodimers and interacts with ATXN2L, contributing to its multifaceted role in hematopoiesis and immune modulation.
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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