

Animal-Free TPO/Thrombopoietin Protein, Human (His)

Cat. No.:	HY-P700155AF
Synonyms:	Thrombopoietin; C-mpl ligand; Megakaryocyte colony-stimulating factor; Megakaryocyte growth and development factor; Myeloproliferative leukemia virus oncogene ligand; THPO
Species:	Human
Source:	E. coli
Accession:	P40225 (S22-L195)
Gene ID:	7066
Molecular Weight:	Approximately 19.6 kDa

PROPERTIES

AA Sequence	<p>S P A P P A C D L R V L S K L L R D S H V L H S R L S Q C P E V H P L P T P V L</p> <p>L P A V D F S L G E W K T Q M E E T K A Q D I L G A V T L L L E G V M A A R G Q</p> <p>L G P T C L S S L L G Q L S G Q V R L L L G A L Q S L L G T Q L P P Q G R T T A</p> <p>H K D P N A I F L S F Q H L L R G K V R F L M L V G G S T L C V R R A P P T T A</p> <p>V P S R T S L V L T L N E L</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	< 0.01 EU per 1 µg of the protein by the 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	Thrombopoietin (TPO), a lineage-specific cytokine, exerts a pivotal influence on the proliferation and maturation of megakaryocytes, particularly at the late stages of their development from committed progenitor cells. Notably, TPO emerges as a potential major physiological regulator in the intricate orchestration of circulating platelets, underscoring its crucial role in megakaryocyte biology and platelet formation.
-------------------	--

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