

GMP TPO/Thrombopoietin Protein, Human (HEK293, His)

Cat. No.:	HY-P70637G
Synonyms:	Thrombopoietin; C-mpl ligand; MGDF; THPO
Species:	Human
Source:	HEK293
Accession:	P40225 (S22-G353)
Gene ID:	7066
Molecular Weight:	70-90 kDa

PROPERTIES

AA Sequence

SPAPPACDLR	VLSKLLRDSH	VLHSRLSQCP	EVHPLPTPVL
LPVDFSLGE	WKTQMEETKA	QDILGAVTLL	LEGVMAARGQ
LGPTCLSSLL	GQLSGQVRL	LGALQSLLGT	QLPPQGRRTTA
HKDPNAIFLS	FQHLLRGKVR	FLMLVGGSTL	CVRRAPPTTA
VPSRTSLVLT	LNELPNRTSG	LLETNFTASA	RTTGSGLLKW
QQGFRAKIPG	LLNQTSRSLD	QIPGYLNRIH	ELLNGTRGLF
PGPSRRTLGA	PDISSGTSDT	GSLPPNLQPG	YSPSPTHPPT
GQYTLFPLPP	TLPTPVVQLH	PLLPDPSAPT	PTPTSPLLNT
SYTHSQNLSQ	EG		

Biological Activity Measured by Mo7e human giant cell leukemia cell proliferation method, the specific activity should be great than 1×10^5 IU/mg.

Appearance Lyophilized powder

Formulation Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Endotoxin Level <0.1 EU/ μ g, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 μ g/mL in injection water.

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.

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