

TPO/THPO (N, C-6His), Human, Recombinant

Cat. No. : PCK217

General Information

Synonyms	Thrombopoietin;C-mpl Ligand;Megakaryocyte colony-stimulating factor;Megakaryocyte growth and development factor;Myeloproliferative leukemia virus oncogene Ligand;THPO
Species	Human
Expression host	Human Cells
Sequence	Ser22-Gly353
Accession	P40225
Tag	N,C-6His
Mol mass	37.3 kDa
Expiration date	12 months
Bio activity	Measured in a cell proliferation assay using M07E human megakaryocytic leukemic cells. The ED50 for this effect is 1-5 ng/mL.

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Thrombopoietin (TPO) is a glyco Protein hormone which belongs to the EPO/TPO family. It produced by the liver and kidney which regulates the production of platelets. TPO stimulates the production and differentiation of megakaryocytes, the bone marrow cells that bud off large numbers of platelets. Lineage-specific Cytokine affects the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.

SDS-PAGE

