

Recombinant Human Thrombopoietin/TPO Protein (His Tag)



Catalog Number:PKSH033110

Note: Centrifuge before opening to ensure complete recovery of vial contents.

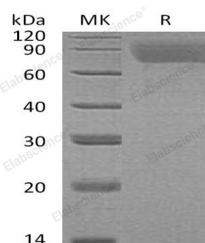
Description

Synonyms	Thrombopoietin;C-mpl ligand;Megakaryocyte colony-stimulating factor;Megakaryocyte growth and development factor;Myeloproliferative leukemia virus oncogene ligand;THPO
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser22-Gly353
Accession	P40225
Calculated Molecular Weight	37.3 kDa
Observed molecular weight	70-90 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per μ g of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM Tris, 150mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Thrombopoietin (TPO) is a glycoprotein hormone which belongs to the EPO/TPO family. It is 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.

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