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Datasheet for ABIN7319081

Thrombopoietin Protein (THPO) (His tag)

Overview

Quantity:	50 µg
Target:	Thrombopoietin (THPO)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Thrombopoietin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Thrombopoietin/TPO Protein (His Tag)(Active)
Sequence:	Ser22-Gly353
Characteristics:	Recombinant Human Thrombopoietin is produced by our Mammalian expression system and the target gene encoding Ser22-Gly353 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using MO7E human megakaryocytic leukemic cells. The ED50 for this effect is 0.55 ng/ml.

Target Details

Target:	Thrombopoietin (THPO)
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Target Details

Alternative Name:	Thrombopoietin/TPO (THPO Products)
Background:	<p>Background: Thrombopoietin (TPO) is a glycoprotein 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.</p> <p>Synonym: Thrombopoietin,C-mpl ligand,Megakaryocyte colony-stimulating factor,Megakaryocyte growth and development factor,Myeloproliferative leukemia virus oncogene ligand,THPO</p>
Molecular Weight:	37.3 kDa
UniProt:	P40225
Pathways:	JAK-STAT Signaling , Hormone Activity

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris,150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.