

Datasheet for ABIN7320657

**Thrombopoietin Protein (THPO) (His tag)****1** Image[Go to Product page](#)

## Overview

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

## Product Details

Purpose:	Recombinant Mouse Thrombopoietin/TPO Protein (His Tag)
Sequence:	Ser22-Thr356
Characteristics:	Recombinant Mouse Thrombopoietin is produced by our Mammalian expression system and the target gene encoding Ser22-Thr356 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Thrombopoietin (THPO)
Alternative Name:	Thrombopoietin/TPO ( <a href="#">THPO Products</a> )
Background:	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. Mature mouse Tpo shares 71 % and 81 % aa sequence homology with human and rat Tpo,

## Target Details

respectively. It is an 80-85 kDa protein that consists of an N-terminal domain with homology to Erythropoietin (Epo) and a C-terminal domain that contains multiple N-linked and O-linked glycosylation sites. 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.

Synonym: Thrombopoietin,C-mpl ligand,Megakaryocyte colony-stimulating factor,Megakaryocyte growth and development factor,Myeloproliferative leukemia virus oncogene ligand,THPO

Molecular Weight: 36.4 kDa

UniProt: [P40226](#)

Pathways: [JAK-STAT Signaling](#), [Hormone Activity](#)

## Application Details

Restrictions: For Research Use only

## Handling

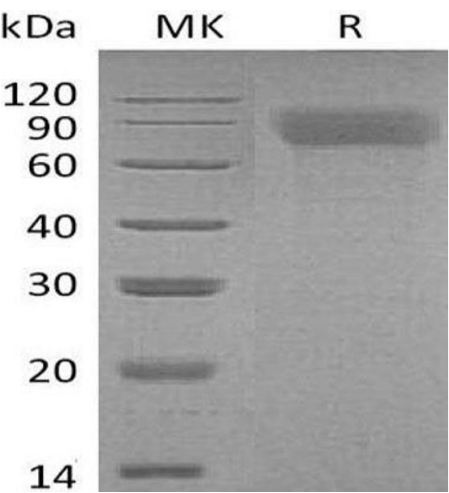
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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.



Western Blotting

Image 1.