

# Recombinant Human Thrombopoietin/THPO Protein

Catalog No.: RP00174 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	7066	P40225

### Tags

C-His

### Synonyms

MGDF;MKCSF;ML;MPLLG;THCYT1;TPO

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Thrombopoietin (TPO or THPO), also known as myeloproliferative leukemia virus ligand (c-Mpl), is a hematopoietic growth factor belonging to the EPO/TPO family. Megakaryocytopoiesis is the cellular development process that leads to platelet production. TPO is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. TPO is the ligand for MLP/C\_MPL, the product of myeloproliferative leukemia virus oncogene. Mutations in TPO gene are the cause of thrombocythemia.

## Basic Information

### Description

Recombinant Human Thrombopoietin/THPO Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser22-Gly353) of human Thrombopoietin/THPO (Accession #NP\_000451.1) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

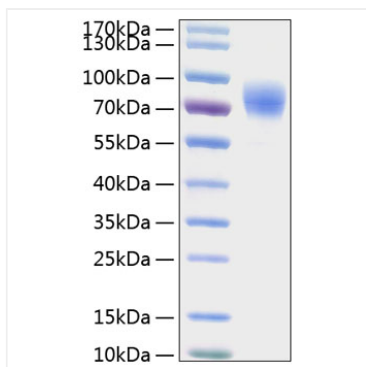
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human  
Thrombopoietin/THPO Protein was  
determined by SDS-PAGE with Coomassie  
Blue, showing a band at 70-90 kDa..