

# Thrombopoietin/THPO Recombinant Protein | THPO recombinant protein

Recombinant Mouse Thrombopoietin/THPO Protein

|                               |                             |
|-------------------------------|-----------------------------|
| CATALOG #<br><b>AAA282585</b> | HOST<br><b>HEK293 cells</b> |
|-------------------------------|-----------------------------|

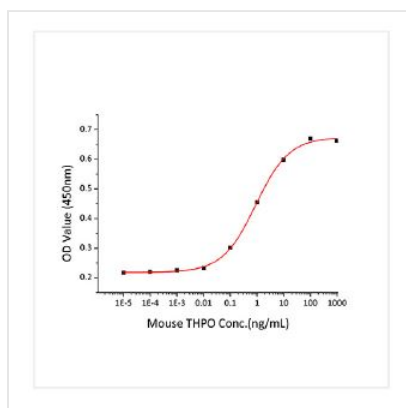
## PRODUCT SYNONYMS

Thrombopoietin/THPO; Recombinant Mouse Thrombopoietin/THPO Protein; Ml; Tpo; Mgdf; Mpllg; THPO; THPO recombinant protein

## PRODUCT SPECIFICATIONS

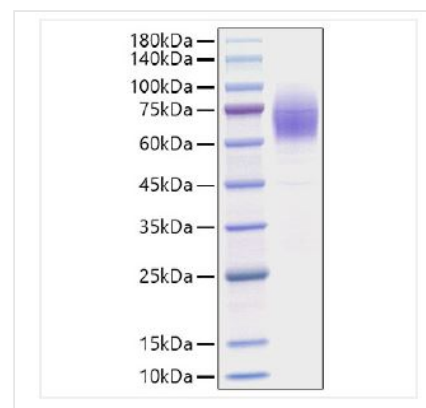
|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells                                                                                                                                                                                                                                  |
| Purity/Purification     | > 95% by SDS-PAGE.                                                                                                                                                                                                                            |
| Form/Format             | Liquid<br>Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.                                                                                                                                                                        |
| Species                 | Mouse                                                                                                                                                                                                                                         |
| Tag                     | C-6His                                                                                                                                                                                                                                        |
| Bioactivity             | Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. Avanzi, G. et al. (1988) Br. J. Haematol. 69:359. The ED50 for this effect is 0.45-1.80 ng/mL.                                                         |
| Preparation and Storage | Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles.<br>Ship: Ice Pack |

## IMAGES



### Application Data

Recombinant Mouse THPO stimulates cell proliferation of the MO7e human megakaryocytic leukemic cells. The ED50 for this effect is 0.45-1.80 ng/mL.



### SDS-PAGE

Active Recombinant Mouse Thrombopoietin/THPO Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 80-90 kDa.

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for THPO recombinant protein | Recombinant Mouse Thrombopoietin/THPO Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser22-Thr356) of mouse Thrombopoietin/THPO (Accession #NP_033405.1.) fused with and a 6×His tag at the C-terminus. |
| Product Categories/Family for THPO recombinant protein   | <a href="#">Growth Factor</a>                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 291045237                                                                                                                                                             |
| NCBI GeneID                      | 21832                                                                                                                                                                 |
| NCBI Accession #                 | NP_001166976.1                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001173505.1                                                                                                                                                        |
| UniProt Accession #              | P40226                                                                                                                                                                |
| Molecular Weight                 | 160,000                                                                                                                                                               |
| NCBI Official Full Name          | thrombopoietin                                                                                                                                                        |
| NCBI Official Synonym Full Names | thrombopoietin                                                                                                                                                        |
| NCBI Official Symbol             | Thpo                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | MI; Tpo; Mgdf; Tpo1; Tpo2; Tpo3; Tpo4; Mpllg                                                                                                                          |
| NCBI Protein Information         | thrombopoietin; C-mpl ligand; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; myeloproliferative leukemia virus oncogene ligand |
| UniProt Protein Name             | Thrombopoietin                                                                                                                                                        |
| UniProt Gene Name                | <b>Thpo</b>                                                                                                                                                           |
| UniProt Synonym Gene Names       | ML; MGDF                                                                                                                                                              |
| UniProt Entry Name               | TPO_MOUSE                                                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/thpo-recombinant-protein-hek293-cells/282585>