

## Product datasheet for **MR228683**

### Thpo (NM\_001289896) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Thpo (NM\_001289896) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Thpo  
**Synonyms:** Mgdf; Ml; Mp; Mpllg; T; Tpo  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228683 representing NM\_001289896  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGCTGACTGATTTGCTCCTGGCGGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCCAGCCCCG  
TAGCTCCTGCCTGTGACCCAGACTCCTAAATAAACTGCTGCGTGACTCCACCTCCTTCACAGCCGACT  
GAGTCAGTGTCCCGACGTCGACCCTTTGTCTATCCCTGTTCTGCTGCCTGCTGTGGACTTTCAGCCTGGGA  
GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGGCAGTGTCCCTTCTACTGGAGG  
GAGTGATGGCAGCACGAGGACAGTTGGAACCTCCTGCCTCTCATCCCTCCTGGGACAGCTTTCTGGGCA  
GGTTTCGCCTCCTCTTGGGGGCCCTGCAGGGCCTCCTAGGAACCCAGGACTTCTGGATTGTTGGAGACGAA  
CTTCAGTGTACAGCCAGAACTGCTGGCCCTGGACTTCTGAGCAGGCTTCAGGGATTTCAGAGTCAAGATT  
ACTCCTGGTCAGCTAAATCAAACCTCCAGGTCAGTCCAAATCTCTGGATACCTGAACAGGACACACG  
GACCTGTGAATGGAACCTCATGGGCTCTTTGCTGGAACCTCACTTCAGACCCTGGAAGCCTCAGACATCTC  
GCCCCGAGCTTTCAACAAAGGCTCCCTGGCATTCAACCTCCAGGGTGGACTTCTCCTTCTCCAAGCCTT  
GCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228683 representing NM\_001289896  
Red=Cloning site Green=Tags(s)

MELTDLLLAAMLLAVARLTLSSPVACDPRLLNKLLRDSHLLHSRLSQCPDVDPLSIPVLLPAVDFSLG  
 EWKTQTEQSKAQDILGAVSLLLLEGVMAARGQLEPSCLSSLLGQLSGQVRLLL GALQGLLTQDFWIVGDE  
 LQCHSQNCWPWTSEQASGIQSQDYSWSAKSNLQVPSNLWIPEQDTRTCEWNSWALCWNL TSDPGSLRHL  
 ARSFQQLRPGIQPPGWTSSF SKPCS

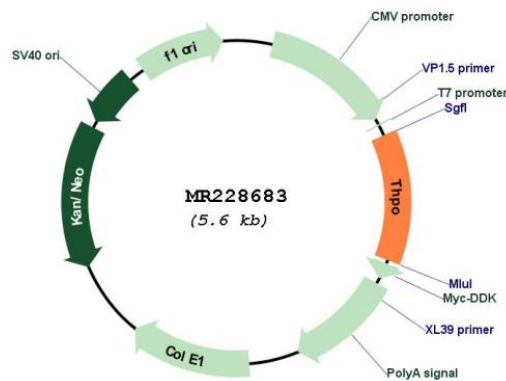
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289896  
**ORF Size:** 705 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001289896.1</a> , <a href="#">NP_001276825.1</a>
<b>RefSeq Size:</b>	2065 bp
<b>RefSeq ORF:</b>	708 bp
<b>Locus ID:</b>	21832
<b>Cytogenetics:</b>	16 12.51 cM
<b>MW:</b>	26.3 kDa
<b>Gene Summary:</b>	This gene encodes a humoral growth factor necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. The encoded protein is a ligand for the product of the myeloproliferative leukemia virus oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]