

## Product datasheet for MC217757

### Thpo (NM\_001173505) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Thpo (NM\_001173505) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Thpo  
**Synonyms:** Mgdf; Ml; Mp; Mpllg; T; Tpo  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC217757 representing NM\_001173505  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCTGACTGATTTGCTCCTGGCGGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCCAGCCCCG  
 TAGCTCCTGCCTGTGACCCAGACTCCTAAATAAACTGCTGCGTACTCCACCTCCTTCACAGCCGACT  
 GAGTCAGTGTCCGACGTCGACCCTTTGTCTATCCCTGTTCTGCTGCCTGCTGTGGACTTTCAGCCTGGGA  
 GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGGCAAGTGTCCCTTCTACTGGAGG  
 GAGTGATGGCAGCACGAGGACAGTTGGAACCTCCTGCCTCTCATCCCTCCTGGGACAGCTTTCTGGGCA  
 GGTTTCGCCTCCTTTGGGGGCCCTGCAGGGCCTCCTAGGAACCCAGCTTCTCTACAGGGCAGGACCACA  
 GCTCACAAGGACCCCAATGCCCTCTTTGAGCTTGCAACAACCTGCTTCGGGAAAGGTGCGCTTCTCTGC  
 TTCTGGTAGAAGTCCCACCTCTGTGTCAGACGGACCTGCCAACCACAGCTGTCCCAAGCAGTACTTC  
 TCAACTCCTCACACTAACAAGTTCCCAACAGGACTTCTGGATTGTTGGAGACGAATTCAGTGTACACA  
 GCCAGAAGTGTGGCCCTGGACTTCTGAGCAGGCTTCAGGGATTGAGTCAAGATTACTCTGGTCAGC  
 TAAATCAAACCTCCAGGTCACCTCCTGATACCTGATACCTGAACAGGACACACGGACCTGTGAATGG  
 AACTCATGGGCTCTTTGCTGGAACCTCACTTCAGACCCTGGAAGCCTCAGACATCTCGCCCGGAGCTTTC  
 AACAAAGGCTCCCTGGCATTCAACCTCCAGGGTGGACTTCTCCTTCTCCAAGCCTTGCTCCTGATGGAC  
 ACACACCTTCCCTCCTTCACTGCCTTGCCACCACCCATGGATCTCCACCCAGCTCCACCCCTGTT  
 TCCTGACCCTTCCACCACCATGCCTAATCTACCGCCCTCATCCAGTCACAATGTACCCTCATCCAGG  
 AATTTGTCTCAGGAAACATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001173505



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<b>Insert Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u>NM_001173505.1, NP_001166976.1</u>
<b>RefSeq Size:</b>	2262 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	21832
<b>UniProt ID:</b>	<u>P40226</u>
<b>Cytogenetics:</b>	16 12.51 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) encodes the longest isoform (1, also known as Tpo1). Both variants 1 and 2 encode the same isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>