

## Product datasheet for **MR229437**

### Thpo (NM\_001289894) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Thpo (NM\_001289894) 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:** >MR229437 representing NM\_001289894  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGCTGACTGATTTGCTCCTGGCGGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCCAGCCCCG  
TAGCTCCTGCCTGTGACCCAGACTCCTAAATAAACTGCTGCGTACTCCACCTCCTTCACAGCCGACT  
GAGTCAGTGTCCGACGTCGACCCTTTGTCTATCCCTGTTCTGCTGCCTGCTGTGGACTTTCAGCCTGGGA  
GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGGAGTGTCCCTTCTACTGGAGG  
GAGTGATGGCAGCACGAGGACAGTTGGAACCTCCTGCCTCTCATCCCTCCTGGGACAGCTTTCTGGGCA  
GGTTCCGCTCCTCTTGGGGGCCCTGCAGGGCCTCCTAGGAACCCAGGGCAGGACCACAGCTCACAAAGGAC  
CCCAATGCCCTCTTCTTGTAGCTTGAACAACCTGCTTCGGGGAAAGGTGCGCTTCTGCTTCTGGTAGAAG  
GTCCACCCCTCTGTGTGACAGCGACCCTGCCAACCACAGCTGTCCAAGCAGTACTTCTCAACTCCTCAC  
ACTAAACAAGTCCCAACAGGACTTCTGGATTGTTGGAGACGAACCTCAGTGTACAGCCAGAAGTCTGCT  
GGCCCTGGACTTCTGAGCAGGCTTCAGGGATTGAGAGTCAAGATTACTCCTGGTCAGTAAATCAAACCT  
CCAGGTCCCAGTCCAAATCTCTGGATACCTGAACAGGACACAGGACCTGTGAATGGAATCATGGGCT  
CTTTGCTGGAACCTCACTTCAGACCCTGGAAGCCTCAGACATCTCGCCCGGAGCTTCAACAAAGGCTCC  
CTGGCATTCAACCTCCAGGGTGGACTTCTCCTCTCCTCAAGCCTTCTCCTGATGGACACACACCCTTCC  
CTCCTTACCTGCCTTGGCCACCACCCATGGATCTCCACCCAGCTCCACCCCTGTTTCTGACCCCTTCC  
CACCACCTGCCTAACTCTACCGCCCTCATCCAGTCACAATGTACCCTCATCCAGGAATTTGTCTCAG  
GAAACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229437 representing NM\_001289894  
 Red=Cloning site Green=Tags(s)

MELTDLLLAAMLLAVARLTLSSPVACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLG  
 EWKTQTEQSKAQDILGAVSLLLLEGVMAARGQLEPSCLSLLGQLSGQVRLLLGALQGLLTQGRTTAHKD  
 PNALFLSLQQLLRGKVRFLLLVEGPTLCVRRTLPTTAVPSSTSLLTLNKFNPRTSGLLETNFSVTARTA  
 GPGLLSRLQGFRVKITPGQLNQTSRSPVQISGYLNRTHGVPVNGTHGLFAGTSLQTLASDISPGAFNKGS  
 LAFNLQGGLPSPSLAPDGHTPFPPSPALPTTHGSPQLHPLFPDPSTTMPNSTAPHPVTMYPHPRNLSQ  
 ET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

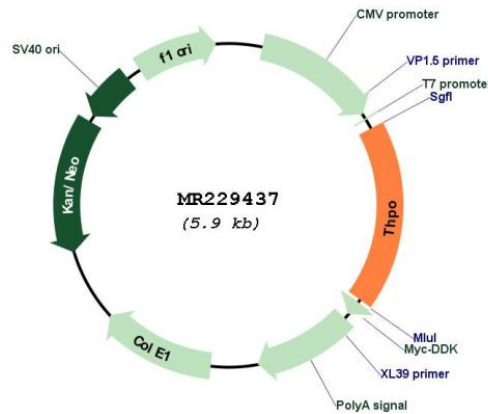
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289894

<b>ORF Size:</b>	1056 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_001289894.1</a> , <a href="#">NP_001276823.1</a>
<b>RefSeq Size:</b>	2250 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	21832
<b>UniProt ID:</b>	<a href="#">P40226</a>
<b>Cytogenetics:</b>	16 12.51 cM
<b>MW:</b>	37.8 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]