OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222579

Thpo (NM_009379) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpo (NM_009379) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thpo
Synonyms:	Mgdf; Ml; Mp; Mpllg; T; Tpo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR222579 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGACTGATTTGCTCCTGGCGGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCCAGCCCCG
TAGCTCCTGCCTGTGACCCCAGACTCCTAAATAAACTGCTGCGTGACTCCCACCTCCTTCACAGCCGACT
GAGTCAGTGTCCCGACGTCGACCCTTTGTCTATCCCTGTTCTGCTGCCTGCTGTGGACTTTAGCCTGGGA
GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGGCAGTGTCCCTTCTACTGGAGG
GAGTGATGGCAGCACGAGGACAGTTGGAACCCTCCTGCCTCTCATCCCTCCTGGGACAGCTTTCTGGGCA
GGTTCGCCTCCTCTTGGGGGCCCTGCAGGGCCTCCTAGGAACCCAGCTTCCTCTACAGGGCAGGACCACA
GCTCACAAGGACCCCAATGCCCTCTTCTTGAGCTTGCAACAACTGCTTCGGGGAAAGGTGCGCTTCCTGC
TTCTGGTAGAAGGTCCCACCCTCTGTGTCAGACGGACCCTGCCAACCACAGCTGTCCCAAGCAGTACTTC
TCAACTCCTCACACTAAACAAGTTCCCAAACAGGACTTCTGGATTGTTGGAGACGAACTTCAGTGTCACA
GCCAGAACTGCTGGCCCTGGACTTCTGAGCAGGCTTCAGGGATTCAGAGTCAAGATTACTCCTGGTCAGC
TAAATCAAACCTCCAGGTCCCCAGTCCAAATCTCTGGATACCTGAACAGGACACACGGACCTGTGAATGG
AACTCATGGGCTCTTTGCTGGAACCTCACTTCAGACCCTGGAAGCCTCAGACATCTCGCCCGGAGCTTTC
AACAAAGGCTCCCTGGCATTCAACCTCCAGGGTGGACTTCCTCCTTCTCCAAGCCTTGCTCCTGATGGAC
ACACACCCTTCCCTCCTTCACCTGCCTTGCCCACCACCCATGGATCTCCACCCCAGCTCCACCCCCTGTT
TCCTGACCCTTCCACCACCATGCCTAACTCTACCGCCCCTCATCCAGTCACAATGTACCCTCATCCCAGG
AATTTGTCTCAGGAAACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

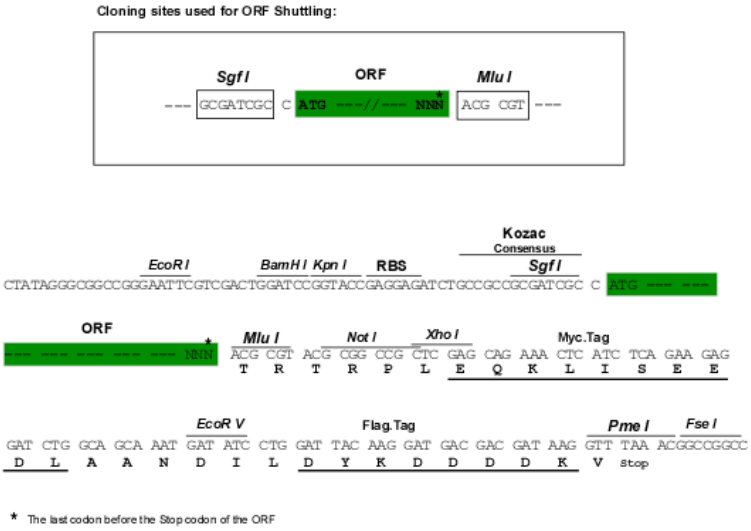
>MR222579 protein sequence
Red=Cloning site Green=Tags(s)

MELTDLLLAAMLLAVARLTLSSPVAPACDPRLLNKLLRDSHLLHSRLSQCPDVDPLSIPVLLPAVDFSLG
EWKTQTEQSKAQDILGAVSLLLEGVMAARGQLEPSCLSSLLGQLSGQVRLLLGALQGLLGTQLPLQGRTT
AHKDPNALFLSLQQLLRGKVRFLLLVEGPTLCVRRTLPTTAVPSSTSQLLTLNKFPNRTSGLLETNFSVT
ARTAGPGLLSRLQGFRVKITPGQLNQTSRSPVQISGYLNRTHGPVNGTHGLFAGTSLQTLEASDISPGAF
NKGSLAFNLQGGLPPSPSLAPDGHTPFPPSPALPTTHGSPPQLHPLFPDPSTTMPNSTAPHPVTMYPHPR
NLSQET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009379

ORF Size: 1071 bp

OTI Disclaimer: 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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: NM_009379.3, NP_033405.1

RefSeq Size: 2416 bp

RefSeq ORF: 1071 bp

Locus ID: 21832

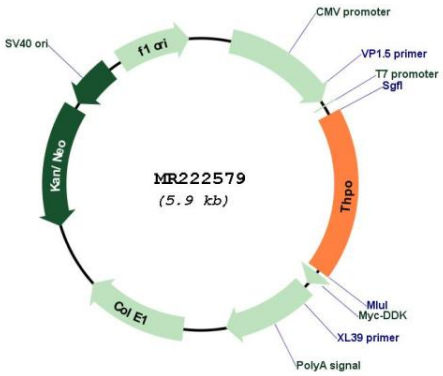
UniProt ID: P40226

Cytogenetics: 16 12.51 cM

MW: 37.8 kDa

Gene Summary: 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]

Product images:



Circular map for MR222579