

Product datasheet for MR205441

Thpo (NM_001173505) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpo (NM_001173505) 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:	>MR205441 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTGACTGATTTGCTCCTGGCGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCCAGCCCCG
TAGCTCCTGCCTGTGACCCAGACTCCTAAATAAACTGCTGCGTGACTCCACCTCCTTCACAGCCGACT
GAGTCAGTGTCCCGACGTCGACCCTTTGTCTATCCCTGTTCTGCTGCCTGCTGTGGACTTTCAGCTGGGA
GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGGAGTGTCCCTTCTACTGGAGG
GAGTGATGGCAGCACGAGGACAGTTGGAACCTCCTGCCTCTCATCCCTCCTGGGACAGCTTCTGGGCA
GGTTCGCCTCCTTTGGGGGCCCTGCAGGGCCTCTAGGAACCCAGCTTCTCTACAGGGCAGGACCACA
GCTCACAAGGACCCCAATGCCCTCTTCTGAGCTTGCAACAACCTGCTTCGGGAAAGGTGCGCTTCTCTGC
TTCTGGTAGAAGGTCCCACCCTCTGTGTGAGCAGGACCCTGCCAACCCAGCTGTCCCAAGCAGTACTTC
TCAACTCCTCACACTAAACAAGTTCCCAACAGGACTTCTGGATTGTTGGAGACGAACCTCAGTGTCA
GCCAGAAGTGTGGCCCTGGACTTCTGAGCAGGCTTCAGGGATTGAGTCAAGATTACTCCTGGTCAGC
TAAATCAAACCTCCAGGTCAGTCCAAATCTCTGGATACCTGAACAGGACACACGGACCTGTGAATGG
AACTCATGGGCTCTTTGCTGGAACCTCACTTCAGACCTGGAAGCCTCAGACATCTCGCCCGGAGCTTTC
AACAAAGGCTCCCTGGCATTCAACCTCCAGGGTGGACTTCTCCTTCTCCAAGCCTTGTCTGATGGAG
ACACACCCTTCCCTCCTTCACTGCCTTGCCACCCACCATGGATCTCCACCCAGCTCCACCCCTGTT
TCTGACCCTTCCACCACCATGCCTAACTCTACCGCCCTCATCCAGTCACAATGTACCCTCATCCAGG
AATTTGTCTCAGGAAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205441 protein sequence
Red=Cloning site Green=Tags(s)

MELTDLLLAAMLLAVARLTLSSPVACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLG
 EWKTQTEQSKAQDILGAVSLLLLEGVMAARGQLEPSCSSLLGQLSGQVRLLLGALQGLLGTQLPLQGRRT
 AHKDPNALFLSLQQLLRGKVRLLLLVEGPTLCVRRRLPTTAVPSSTSQLLTLNKFPNRTSGLLETNFSVT
 ARTAGPGLLSRLQGFRVKITPGQLNQTSRSPVQISGYLNRTHGVPVNGTHGLFAGTSLQTLEASDISPGAF
 NKGSLAFNLQGGPPSPSLAPDGHTPFPPSPALPTTHGSPPQLHPLFPDPSTTMPNSTAPHPVTMYPHPR
 NLSQET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001173505

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_001173505.1](#), [NP_001166976.1](#)

RefSeq Size: 2262 bp

RefSeq ORF: 1071 bp

Locus ID: 21832

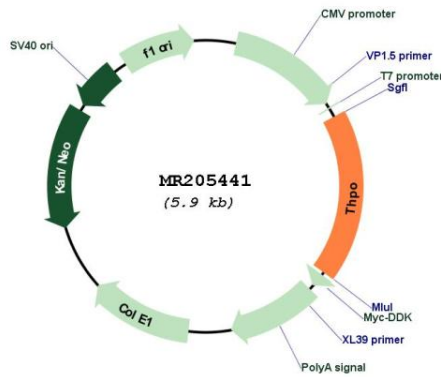
UniProt ID: [P40226](#)

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 MR205441