

Product datasheet for **MG205441**

Thpo (NM_009379) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpo (NM_009379) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thpo
Synonyms:	Mgdf; Ml; Mp; Mpllg; T; Tpo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205441 representing NM_009379 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGACTGATTTGCTCCTGGCGCCATGCTTCTTGCAGTGGCAAGACTAACTCTGTCCAGCCCCG
TAGCTCCTGCCTGTGACCCAGACTCCTAAATAAACTGCTGCGTACTCCACCTCCTTCACAGCCGACT
GAGTCAGTGTCCCGACGTCGACCCTTTGTCTATCCCTGTTCTGCTGCCTGCTGTGGACTTAGCCTGGGA
GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGCAGTGTCCCTTCTACTGGAGG
GAGTGATGGCAGCACGAGGACAGTTGGAACCTCCTGCCTCTCATCCCTCCTGGGACAGCTTTCTGGGCA
GGTTCGCCTCCTCTTGGGGGCCCTGCAGGGCCTCTAGGAACCCAGCTTCTCTACAGGGCAGGACCACA
GCTCACAAGGACCCCAATGCCCTCTTCTGAGCTTGCAACAACCTGCTTCGGGAAAGGTGCGCTTCTCTGC
TTCTGGTAGAAGGTCCCACCTCTGTGTGACAGCGACCCTGCCAACCCAGCTGTCCCAAGCAGTACTTC
TCAACTCCTCACACTAAACAAGTTCCCAACAGGACTTCTGGATTGTTGGAGACGAACCTCAGTGTACACA
GCCAGAAGTGTGGCCCTGGACTTCTGAGCAGGCTTCCAGGATTCAGAGTCAAGATTACTCCTGGTCAGC
TAAATCAAACCTCCAGGTCCCAGTCCAAATCTCTGGATACCTGAACAGGACACACGGACCTGTGAATGG
AACTCATGGGCTCTTTGCTGGAACCTCACTTCCAGGCTGGACTTCTCCTTCTCCAAGCCTTGTCTGATGGAC
ACACACCCTTCCCTCCTTACCTGCCTTGCCACCCACCATGGATCTCCACCCAGCTCCACCCCTGTT
TCTGACCCTTCCACCACCATGCCTAACTCTACCGCCCTCATCCAGTACAATGTACCCTCATCCAGG
AATTTGTCTCAGGAAACA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205441 representing NM_009379
 Red=Cloning site Green=Tags(s)

MELTDLLLAAMLLAVARLTLSSPVAPACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLG
 EWKTQTEQSKAQDILGAVSLLLLEGVMAARGQLEPSCSSLLGQLSGQVRLLLGALQGLLGTQLPLQGRTT
 AHKDPNALFSLQQLLRGKVRFLLLVEGPTLCVRRTLPTTAVPSSTSQLLTLNKFNPRTSGLLETNFSVT
 ARTAGPGLLSRLQGFRVKITPGQLNQTSRSPVQISGYLNRTHGPNVNGHGLFAGTSLQTLEASDISPGAF
 NKGSLAFNLQGGPPSPSLAPDGHTPFPPSPALPTTHGSPPQLHPLFPDPSTTMPNSTAPHPVTMYPHPR
 NLSQET

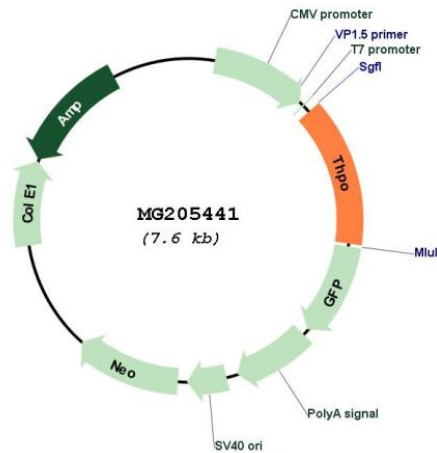
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009379

ORF Size:	2413 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:	<ol style="list-style-type: none">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:	2419 bp
RefSeq ORF:	1071 bp
Locus ID:	21832
UniProt ID:	P40226
Cytogenetics:	16 12.51 cM
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]