

Product datasheet for **RR210017**

Thpo (NM_031133) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpo (NM_031133) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thpo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210017 representing NM_031133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCTGACTGATTTGCTCCTGGTGGCCATACTTCTCCTCACCGAAGACTAACTCTGTCCAGCCCAG
TTCCCTCCCGCCTGTGACCCAGACTCCTAAATAAACTGCTTCGTGACTCCTACCTCCTTCACAGCCGACT
GAGTCAGTGTCTGACGTCAACCTTTGTCTATCCCTGTCTGCCTGTGCTGGACTTTAGCCTGGGA
GAATGGAAAACCCAGACGGAACAGAGCAAGGCACAGGACATTCTAGGGGAGTGTCCCTTCTACTGGAGG
GGGTGATGGCAGCACGAGGACAGTTGGAACCTCCTGCCTCTCATCCCTCCTGGGACAGCTTTCTGGTCA
GGTTTCGCCTCCTTTGGGAGCCCTGCAGGGCCTCCTAGGAACCCAGCTTCTCCACAGGGCAGGACCACA
GCTCACAAGGACCCAGTGCCCTCTTCTGAGCTTGCAACAAGTCTTCGGGAAAGGTGCGCTTCTGCTG
TGCTGGTAGAAGTCCC GCCCTCTGTGTCAGACGGACCCTTCCCACCACAGCTGTCCAAGCAGAACCTC
TCAACTCCTCACACTAAACAAGTCCCAAACAGGACTTCTGGATTGTTGGAGACGAACCTCAGTGTGTA
GCCAGAAGTCTGGCCCTGGACTTCTGAACAGGCTTCAAGGATTCAGAGCCAAGATTATTCCTGGTCAGC
TAAATCAAACCTCCGGGTCTTAGACCAAATCCCTGGATACCTGAACGGGACACACGAACCTGTGAATGG
AACTCATGGGCTCTTTGCTGGGACCTCACTACAGACCCTGGAAGCCCAGACGTTGTGCCAGGAGCTTTC
AACAAAGGCTCCTTGCCACTCAACCTCCAGAGTGGACTTCTCCTATCCCAAGCCTTGCTGCTGATGGAT
ACACACTTTTCCCTCCTTCACTACCTTCCCCACCCCTGGGTCTCCACCCAGCTCCCCCGGTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210017 representing NM_031133
 Red=Cloning site Green=Tags(s)

MELTDLLLVAIIILLTARLTLSSPVPPACDPRLLNKLLRDSYLLHSRLSQCPDVNPLSIPVLLPAVDFSLG
 EWKTQTEQSKAQDILGAVSLLLLEGVMAARGQLEPSCLSLLGQLSGQVRLLLGALQGLLGTQLPPQGRTT
 AHKDPALFLSLQQLLRGKVRFLLLVEGPALCVRRTLPTTAVPSRTSPLLTLNKFNPRTSGLLETNF SVV
 ARTAGPGLLNRLQGFRAKIIPGQLNQTSGSLDQIPGYLNGTHEPVNGTHGLFAGTSLQTL EAPDVVPGAF
 NKGSLPLNLQSGLPPIPSLAADGYTLFPPSPPTFPTGSPPLPPVS

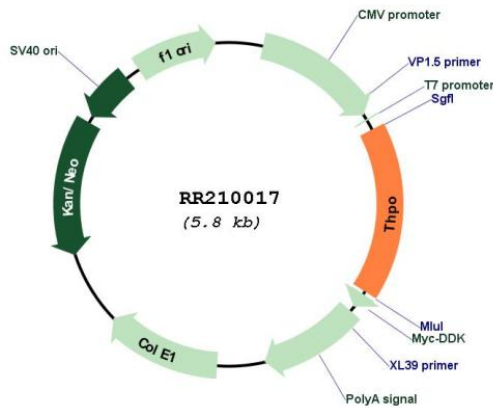
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031133

ORF Size:	978 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_031133.2 , NP_112395.1
RefSeq Size:	1406 bp
RefSeq ORF:	981 bp
Locus ID:	81811
UniProt ID:	P49745
Cytogenetics:	11q23
MW:	34.6 kDa
Gene Summary:	lineage-specific cytokine; important for proliferation and development of megakaryocytes and platelets; may be the major regulator of circulating platelets [RGD, Feb 2006]