

Product datasheet for **MR216015**

Thns1 (NM_177588) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thns1 (NM_177588) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thns1
Synonyms:	AW413632
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR216015 representing NM_177588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGACCTTGACCAGATGTCACCATTGAAACAGATAGCACAGGAGTGTCTTTCTAGCCTGCTGGTTA
 AAGTGCAGAGCCGCACACAGCTCCTGCTCCACGAGCCTCTGCACGTGCAGAATCAGGGAAGTCATGGCA
 CTCACCCACTCTCTTGTGGAGACAAAAATTTGTCCTGATGGGGCCGCTGGTTCTGGGAAAAACA
 GTTGGCAGAATATTAGGTGACAACTAGGCTGTTGTGTCATCGATGTAGATAGTGTGCTTTGAGAAAG
 CCTGGAATATGAGCGCATCTGAAAAATGCAGGATGTTGGTAATGAGCGATTTTTAGAAGAGGAAGGAAA
 AACAGTGTAACTTGTCTGCATCTGGAAGTGTGATTTCCCTCAGTGGTCCAATCCCATGCATGATGCT
 AGCATGTGGCATCTGAAGAAAAATGGAATTGTTGTATACCTAGATGTGCCTCTAACAGATATAATTAGTC
 GTCTGAAATCAATGAGAATTGATAGGATTGTTGGCCAGAACACTGGAGCATCTCTGAGAGACTCGTGAA
 GCACGTAAGACTGTACTATAAGAAGTGGTACGATGCCCGAGTCTTCTGTGAGAGTGGGGCTCAGCTGAG
 GAGGTTGCAGACAAAGTCTTGTGTTGTTAAAAGATACCAAGAGCTGGATTCCAGAGACATTCATTTCAA
 CAAGGCATGTTTGTCTTAAAGATCATGACAAGAAGTTCCACCAAAATACTTCAGTGAAGCTGTAGTTGA
 GGGATTGGCTTCTGATGGTGGCCTCTTTGTTCTGAGAAGGAGTTCCAAAATAAGTCCTGGGGAGTGG
 AATAACCTAATAGGAGCAACCTACATAGAAAGAGCACAGGTGCTCTTGGAAAGGTGCATTCACCCTGCGG
 ACATACCTGCTGCCAAATTAGGAGAAATGATTGAAACTGCTTATGGGGAAAACTTTGCTGCTCCAAAGT
 TGCCCTGTCAGGCACCTTTCTGGCAATCAGTTCATCTGGAGTGTCTATGGCCAACGGGTCTTT
 AAGGATTTGTCTTACAGCTTATGCCTCATATTTTGCCTACTGTATCCCACCAGGTTGCAATATGTGA
 TACTTGTAGCCACTTCAGGAGACACTGGGAGTGCAGTCTTAAATGGGTTTAGCCATCTTAAATAAAATGA
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 TTAGAAAAATATTTAATGATTCTGATTTTACTGGCTTTCTGGCTGTGGAATATGGAACAATCTTAAGTTC
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 GTTAACCAACGGTTTATTTCTTTGGAAGCCAGTAGATGTCTGTGTTCCACAGGAACTTTGGGAACG
 TGTTGGCGGCAGTGTATGCCAAGATGATGGGAATCCCTATTCGAAAATTTATCTGTGCCTCTAATCAGAA
 CCACGTTTTGACTGACTTCATAAAACTGGACATTATGATCTAAGGAATAGGAAATTAGCACAAACCTTT
 TCACCATCAATAGATATTCTCAAGTCTTCCAACCTGGAGCGACATTTATACTTGATGGCTAACAAAGACG
 GACAGTTAATGGCAAATTTATACCATCAGTTAGAGAGTACGTTCACTTCCGGATTGAGAAGATGCTGGT
 CGAGAAGCTGCAGCAAGAGTTTGTGGCGACTGGTGTCTGAGGGAGAATGCCTCGCAGCTATCAGCACT
 ACCTACAATGCATCAGGCTATATTTGGATCCACATACCGCTGTTGCAAAAGTGGTTGCAGACAAGATGC
 AAGACAAAAGCTGCCAGTGTCTATTGCATCCACAGCTCACTACTCCAAGTTTGGCCCTGCTATCATGCA
 GGCAGTGGGGATTAAGAAGCTCAACCAGACGTCGTCCAGCCAGCTTTACTTACTGAGCTCGTACAATGCA
 TTGCCCTCTCACGAGGCTCTGCTAGAGAGAATGAAGCAGAAGGAGAAGATGGATTACCAGGTTTGTG
 TAGCTGATGTGGATGCTCTGAAGAGTCATGCAGAAAACTCATCCAAAATGGTTTGAAGGAAGTCTGA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216015 representing NM_177588
Red=Cloning site Green=Tags(s)

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MLTLTRCHHLKQIAQECLSSLLVKVQSRQQLLPRASARAESGKSWHSTHSLVGDKNIVLMGPPGSGKTT
VGRILGDKLGCCVIDVSDVLEKAWNMSASEKLQDVGNERFLEEEGKTVLNLASAGSVISLSGSNPMHDA
SMWHLKKNQIVVYLDVPLTDIISRKSMRIDRIVGQNTGASLRDLSLKHVRLYYKKWYDARVFCESGASAE
EVADKVLDVVKRYQDVSETFISTRHVCLKDHDKKFPKPYFSEAVVEGLASDGGFLVPEKEFPKLSPGEW
NNLIGATYIERAQVLLERCIHADIPAAKLGEMIEYAYGENFACSKVAPVRHLSGNQFILELFYGP TG SF
KDL SLQLMPHIFAYCIPP GCNYVILVATSGDTGSAVLNGF SHLNKNDKERIAVVTFFPENGV SDFQKAEI
IGSQRENGWAIGVRSDFDFCQT AIRKIFNDSDFTGFLAVEYGTILSSANSINWARLLPQIVYHASAYLEL
VNQRFISFGSPVDVCVPTGNFGNVLAAYAKMMGIPIRKFI CASNQNHLV TDFIKTGHYDLRNRKLAQTF
SPSIDILKSSNLERHLYLMANKDQQLMANLYHQLESQ LHFRIEKMLVEKLQ QEFVADWCSEGECLAAIST
TYNASGYILDPH TAVAKVVADKMQDKSCPVLIASTAHYSKFAPAIMQALGIKELNQTSSSQLYLLSSYNA
LPPPHEALLERMKQKEKMDYQVCVADVDVLKSHA EKLIQNWFVRKSE
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

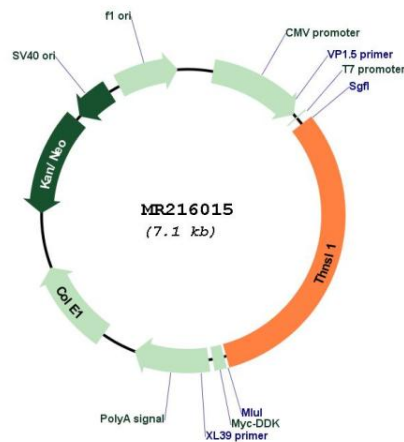
ACCN: NM_177588

ORF Size: 2241 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:	<u>NM_177588.2</u> , <u>NP_808256.1</u>
RefSeq Size:	3899 bp
RefSeq ORF:	2244 bp
Locus ID:	208967
UniProt ID:	<u>Q8BH55</u>
Cytogenetics:	2 A3
MW:	83.1 kDa

Product images:


Circular map for MR216015