

Product datasheet for MR211854

Thpp2 (BC058239) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpp2 (BC058239) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thpp2
Synonyms:	TPP-2; ThppII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211854 representing BC058239 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCGCCGCGACCGAGGAGCCCTTTCTTTCCACGGTCTTCTACCAAAGAAGGAGACCGGGCCCT
CCTCCTTCTGTGCCGCTACCCGGAGTATGACGGGCGCGGGTGTCTCATCGCCGCTCTGGACACAGGGGT
CGATCCCGGGGCCCGGGCATGCAGGTTACAACCTGATGGAAAACCAAAATCATTGATATCATTGATACA
ACAGGAAGTGGTGTGTAATACTGCTACAGAAGTAGAACCAAAAGATGGTGAATATTGGTCTTTCTG
GAAGAGTGCTTAAGATTCTGCAAACCTGGACAAATCCTTTAGGAAAATATCATATTGGCATTAAAAATGG
TTATGACTTCTATCCAAAGGCTCTCAAGGAAAGGATACAGAAAGAACGGAAGGAAAAAATCTGGGATCCA
ATTCACAGAGTTGCACTTGCAGAAGCTTGTAGAAAACAAGAAATTTGATATTGCCAACAAATGGCTCTT
CCCAAGCCAATAAACTAATCAAGGAAGAGTTGCAAAGTCAAGTGGAACTACTTAATTTCTTTTGAGAAAA
GTATAGTGATCCAGGCCCTGTATATGACTGCTTGGTGTGGCATGATGGTGGAGACCTGGAGAGCCTGTGTT
GATTCAAATGAGAATGGGACTTGAGTAAATGTGCCGATTGAGAACTACAAAGAGGCCCAAGAGTACA
GTTCTTTTGGCACAGCTGAGATGCTGAATTACTCTGTGAACATTTATGACGATGGGAACCTGCTCCTCAT
TGTGACCAGCGGAGGAGCTCATGGAACCCATGTAGCAAGTATAGCCGACGGGCATTTTCCAGAAGAGCCT
GAACGGAATGGAGTTGCTCCTGGTGTCAAATTTCTATCCATTAAGATTGGTGATACACGGCTAAGCACTA
TGGAAACAGGCACAGGCCTCATCAGAGCTATGATAGAAGTTATAAATCATAAGTGTGATCTTGTCAACTA
CAGTTATGGAGAAGCAACTCATTGGCCAAATCTGGGAGAATTTGTGAAGTAATTAATGAAGCAGTATGG
AAACATAATACAATTTATGTTTCAAGTGTGAAATAATGGTCCATGCCTTTCTACAGTGGGTTGTCCAG
GAGGAACACATCCAGTGTGATAGGTGTGGAGCTTATGTTTCCCTGATATGATGGTTGCAGAGTATTC
ACTGAGAGAGAACTGCCTGCAATCAATATACATGGTCTTCTAGAGGCCAAGTGTGATGGAGCCCTC
GGTGTGAGCATCAGTGACACAGGAGGTGCTATTGCTTCTGTGCCCTAACTGGACATTGAGGGGACTCAGC
TAATGAATGGGACATCAATGTCTTCCCCAATGCCTGTGGTGGCATTGCCCTGGTACTTTCAGGGCTGAA
AGCAAATAATGTTGACTATACTGTACACTCAGTCAGAAGAGCTCTAGAAAATACTGCAATAAAGCTGAC



AATATAGAAGTATTTGCCCAAGGACATGGAATTATTCAGGTTGACAAAGCTTATGACTACCTCATTCAAA
 ATACATCATTTGCTAACAGATTAGGTTTTACAGTTACTGTTGAAATAACCGTGGTATCTACCTCCGAGA
 TCCTGTCCAGGTGGCTGCTCCTTCAGATCATGGTGTGGCATTGAGCCTGTATTTCCAGAGAACACAGAA
 AACTCTGAAAAATATCCTTTACAGTTCATTTAGCTTTAACTTCAAATTCATCTTGGGTTTCAAGTGTCCCA
 GCCATTTGGAACATGAATCAGTGTGGCACATAAACATACGTGTGGACCCAGGGCTTAAGAGAAGG
 GTTACATTATACAGAGGTATGTGGCTATGATATAGCATCCCCAATGCAGGTCTTTATTACAGATGTACATT
 ATCACTGCAGTTATAGCAGCAAAAGTAAATGAGTCATCACATTATGATCTAGCCTTTACAGATGTACATT
 TTAACCTGGTCAGATTCGAAGACATTTTGTGGGTTTCTGAAGGGCAACCTGGGCTGAAGTTACCGT
 GTGTTTATGTTCTTCTGAGGTATCGGCAAAATTTGTTCTTATGCAGTACAGCTTGTGAAGCAGAGAGCA
 TATCGAAGTCATGAATTTTATAAGTTTTGTTCCCTTCCAGAAAAAGGAACACTTATTGAAGCTTTTCTG
 TTTTGGGCGAAAAAGCAATTGAATTTTGTATTGCTCGTTGGTGGGCAAGTCTTAGTGATGTCAATTTGA
 TTATACCATATCATTCCATGGGATAGTGTACTGCACCACAGTTAAACATTCATGCATCTGAAGGAATC
 AATCGTTTTGATGTTTCACTCTTTAAAGTATGAAGATCTGGCTCCTTGACATACTTTGAAGAGCTGGG
 TGCAAACGCTACGCCAGTAAATGCAAAAACCAGACCTTAGGATCAAGAGATGTTTTGCCAAATAATCG
 CCAGCTTTATGAGATGGTCTTACATACAGCTTTTATCAGCCCAAGAGCGGAGAAGTAAACCTAGTTGT
 CCACTCCTTTGTGAATTTTATATGAGTCAGAATTTGACAGTCAGTTGTGGATTATTTTCGACCAGAACA
 AAAGACAGATGGGCTCAGGCGATGCCTATCCACATCAGTATTCTCTGAAATTGGAGAAAGGAGATTATAC
 AATTTCGATTACAGATTTCATGAGCAAAATCAGTGATTTGGATCGTCTCAAAGATCTTCCGTTTATTGTT
 TCACATAGGTTGTCTAATACCTTGAAGCTTAGATATTATGAAAATCATAGCCTTGCACTTCTAGGAAAGA
 AGAAATCAAGCAGCTTAACATTACCACCCAAATACAATCAGCCATTCTTTGTTACTTCTTACCTGATGA
 TAAAATACCTAAGGGGGCAGGACCCGGATGCTACCTTGCAGGCTCCTTGACATTGTCAAAGACTGAGCTT
 GGAAAGAAAGCTGATGTGATCCCTGTTTACTTACTATCTCATACCTCCACCAACAAAGATTAAGAATGGCA
 GCAAAGATAAAGAAAAGGATTCAGAAAAAGAGAAAGACTTGAAAGAAGAGTTTACTGAAGCATTACGCGA
 TCTCAAAATTCAGTGGATGACCAAGCTTGATTCTACTGACATTTACAATGAATTGAAAGAAACATATCCT
 GCTTACCTTCTTTGATGTTGCACGTCTTCACTCAACTGGATGCTGAAAAGGAACGAATGAAAAGACTTA
 ATGAAATTTGATGCTGCCAATGCTGTTATTTCTCACATCGATCAAACCGCTCTTGCAAGTTTACATTGC
 AATGAAGACTGACCCAGGCTGATGCAGCTACTATAAAAAATGATATGGACAAGCAGAAATCCACCCTG
 ATAGATGCCCTTGCAGGAAAGGATGTGCCCTGGCAGATCACCTTCTTATACACAGCCTCAGCAGGGG
 CAGCAGCTGGAGATGCTGAAGCAAAGGAAGAAGGAGAAAGTACCATGGAATCTCTATCGGAAACCTA
 TTGGGAAACTACAAAGTGGACAGATCTTTTGGACACTAAGGTTTTGATATTTGCATACAAGCATGCATTA
 GTAATAAGATGTATGGGAGAGGCTTAAGTTTGAACCAAACTCGTAGAAGAAAACCAACAAAAGAAA
 ACTGGAAAAATTTGATTTCAACTCATGAAATTACTTGGATGGACCCACTGTGCATCTTTTACTGAAAAGT
 GCTCCCATCATGTATCCTCCTGATTATTGTGTATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211854 representing BC058239
Red=Cloning site Green=Tags(s)

MATAATEEPFFHGLLPKKEGTASSFLCRYPEYDGRGVLIAVLDTGVDPGAPGMQVTTDGPKIIDIIDT
 TGSQDVNTATEVEPKDGEIIGLSGRVLKIPANWTNPLGKYHIGIKNGYDFYPKALKERIKERKEKIWDP
 IHRVALAEACRKQEEFDIANNSSQANKLIKEELQSQVELLNSFEKKYSDPGPVYDCLVWHDGETWRACV
 DSNENGLSKCAVLRNYKEAQEYSSFGTAEMLNYSVNIYDDGNLLSIVTSGGAHGTHVASIAAGHFPEEP
 ERNGVAPGAQILSIKIGDTRLSTMETGTGLIRAMIEVINHKCDLVNYSYGEATHWPNNSGRICEVINEAVW
 KHNTIYVSSAGNNGPCLSTVGCPCGTTSSVIGVAYVSPDMMVAEYSLREKLPANQYTWSSRGPSADGAL
 GVSISAPGGAIASVPNWTLRGTQLMNGTSMSSPNACGGIALVLSGLKANNVDYTVHSVRRALENTAIKAD
 NIEVFAQGHGIIQVDKAYDYLQNTSFANRLGFTVTVGNNRGIYLRDPVQVAAPSDHGVGIEPVFPENTE
 NSEKISFQLHLALTSNWSVQCPHLELMNQCRHINIRVDPRGLREGLHYTEVCGYDIASPNAGPLFRVP
 ITAVIAAKVNESSHYDLAFTDVHFKPGQIRRHFEVPEGATWAEVTVCSSESSEVSAKFLHAVQLVKQRA
 YRSHEFYKFCSLPEKGTLEAFVVLGGKATIEFCIARWWASLSDVNIDYTI SFHGIVCTAPQLNIHASEGI
 NRFVDVQSSLKYEDLAPCITLKSVMQTLRPVNAKTRPLGSRDVLNNRQLYEMVLTYSFHQPKSGEVTWSC
 PLLCELLYESEFDSQLWIFDQNKRMGSGDAYPHQYSLKLEKGDYTI RQLRHEQISDLDRKDLFPFIV
 SHRLSNTLSLDIHENHSLALLGKKKSSSLTLPKYNQPFVTSLPDDKIPKGAGPGCYLAGSLTSLKTEL
 GKKAADVIPVHYLLIPPTKIKNGSKDKEKDLKEEFTEALRDLKIQWMTKLDSTDIYNELKETYP
 AYLPLYVARLHQLDAEKERMKRLNEIVDAANAVISHIDQTALAVYIAMKTDPRPDAATIKNDMDKQKSTL
 IDALCRKGCALADHLLHTQPHDGAAGDAEAKEEEGESTMESLSEYWETTKWTDLFDTKVLIFAYKHAL
 VNKMVGRGLKFATKLVEEKPTKENWKNCIQLMKLLGWTHCASFTENWLPIMYPPDYCVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9045_b06.zip

Restriction Sites: SgfI-MluI

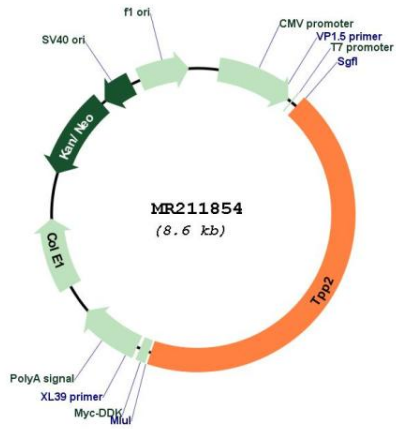
Cloning Scheme:



ACCN: BC058239
ORF Size: 3747 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:	BC058239.1
RefSeq Size:	3960 bp
RefSeq ORF:	3749 bp
Locus ID:	22019
Cytogenetics:	1 23.5 cM
MW:	145.2 kDa
Gene Summary:	Component of the proteolytic cascade acting downstream of the 26S proteasome in the ubiquitin-proteasome pathway. May be able to complement the 26S proteasome function to some extent under conditions in which the latter is inhibited (By similarity). Stimulates adipogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211854