

## Product datasheet for MC206569

### Thap1 (BC038639) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Thap1 (BC038639) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Thap1  
**Synonyms:** 4833431A01Rik; AW490810  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC038639  
 GCCATCTTGAAGATGGGAGACGGGGCAGCTGTGGTCCTTCTGCTAAAGCAAACCCACAACGGACAGG  
 GTAGTCACTCCCCACCCCAACCCCAACCCACGGCGAGGTGATCGTCCCGTAAGTCTGACCGACGCC  
 ACCGAGAGCGGGCAGCGTTATCAAGGCCGAGCGGGCAGCCCGACGGCCCTTCGCCTGCCTCCCGGG  
 CCGAAGGGAAGTGTGGAGGGCCAGAAGGATGGTGCAGTCCTGCTCCGCCTACGGTGCAAGAACCGTAC  
 GACAAGGACAAGCCGTCTCCTTCCACAAGTTTCTTACTCGCCCCAGCCTTTGTAAGCAGTGGGAGG  
 CAGCTGTTAAAGGAAAACTTCAAGCCCACCAAGTACAGCAGCATCTGCTCGGAGCACTTACCCCGGA  
 CTGCTTTAAGAGGGAGTGAACAACAAGCTACTGAAGGAGAACGCTGTGCCACAATATTTCTCTATATC  
 GAGCCACATGAGAAGAAGGAAGACCTGGAATCCCAAGAACAGCTCCCCTCCTTACCCCCGCTTCCC  
 AGTTGATGCTGCTATTGGGCTGCTAATGCCCCCTCTGCAGACCCTGATAACCTGTCGGTTTTCTGTGA  
 CCACAATTACACTGTGGAGGATACGATGCACCAGAGGAAGAGGATCCTGCAGCTGGAGCAGCAGGTGGAG  
 AAAGTCAAGGAAGAAGCTCAAGACGGCCAGCAGCGGTGCCGGCGCAGGAGAGGCAGCTCGAGAAGCTCA  
 AGGAAGTCGTCCACTTTCAGAGAGAGAAGGACGACGCGTCCGAGAGGGGTACGTGATCCTACCAATGA  
 CTACTTTGAAATTGTTGAAGTTCAGCATGAAAAAATGAGATGTGTTAGTGGGACAAGACTATACACCTT  
 CTTTTAGCCTACATACAGGAGTTCATTTGAAAAAATAACACTTAATTACTTGTATTAATAAAAAACAATATT  
 TTTTAAATAAATTAGATATATACTGTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI

**ACCN:** BC038639

**Insert Size:** 633 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>BC038639</u> , <u>AAH38639</u>
<b>RefSeq Size:</b>	1027 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	73754
<b>Cytogenetics:</b>	8 A2
<b>Gene Summary:</b>	DNA-binding transcription regulator that regulates endothelial cell proliferation and G1/S cell-cycle progression. Specifically binds the 5'-[AT]NTNN[GT]GGCA[AGT]-3' core DNA sequence and acts by modulating expression of pRB-E2F cell-cycle target genes, including RRM1. Component of a THAP1/THAP3-HCFC1-OGT complex that is required for the regulation of the transcriptional activity of RRM1. May also have pro-apoptotic activity by potentiating both serum-withdrawal and TNF-induced apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]