

Product datasheet for **RN212698**

Thap1 (NM_001008340) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thap1 (NM_001008340) Rat Untagged Clone
Tag: Tag Free
Symbol: Thap1
Synonyms: MGC105527
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212698 representing NM_001008340
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCAGTCCTGTTCCGCCTACGGCTGCAAGAACCGGTACGATAAGGACAAGCCCGTCTCCTCCACA
AGTTTCCTTTACTCGTCCAGCTTTTGTAAACAGTGGGAGGCAGCTGTTAGAAGGAAAACTTCAAGCC
CACTAAGTACAGCAGTATCTGTTCCGAGCACTTTACTCCAGACTGCTTTAAGAGAGAGTGAACAACAAG
CTACTGAAGGAGAACGCTGTGCCCACTATTTTCTCTATATAGAGCCACATGAGAAGAAGGAAGAACTGG
AACCCCAAGAGCAGCTTCCCTCTCCTTACCCCCCACTTCCCAGGTTGACGCCGCTGTTGGGTTGCTAAT
GCCTCCTCTCCAGACCCCTGATAACCTCTCAGTTTTCTGTGACCACAACACTACTGTGGAGGACACAATG
CACCAGAGGAAGAGGATCCTTACCTGGAGCAGCAGGTTGAAAAGCTCAGGAAGAACTCAAGACCGCCC
AGCAGCGGTGCCGTCGGCAGGAGAGACAGCTCGAGAAGCTCAAGGAAGTTGTACACTTTCAGAGAGAGAA
AGACGACGCTCGGAGAGGGCTATGTGATTCTACCAAATGACTACTTCGAAATTGTTGAAGTCCAGCA
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008340
Insert Size: 633 bp



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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).
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_001008340.1</u> , <u>NP_001008341.1</u>
RefSeq Size:	1100 bp
RefSeq ORF:	633 bp
Locus ID:	306547
UniProt ID:	<u>Q5U208</u>
Cytogenetics:	16q12.4
Gene Summary:	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. May also have pro-apoptotic activity by potentiating both serum-withdrawal and TNF-induced apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]