

Product datasheet for **SC110507**

THAP1 (NM_018105) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THAP1 (NM_018105) Human Untagged Clone
Tag:	Tag Free
Symbol:	THAP1
Synonyms:	DYT6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110507 sequence for NM_018105 edited (data generated by NextGen Sequencing)

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ATGGTGCAGTCCTGCTCCGCCTACGGCTGCAAGAACCGCTACGACAAGGACAAGCCCGTT
TCTTTCCACAAGTTTCTTACTCGACCCAGTCTTTGTAAGAATGGGAGGCAGCTGTC
AGAAGAAAAAACTTTAAACCCACCAAGTATAGCAGTATTTGTTTCAGAGCACTTTACTCCA
GACTGCTTTAAGAGAGAGTGCAACAACAAGTTACTGAAAGAGAATGCTGTGCCACAATA
TTTCTTTGACTGAGCCACATGACAAGAAAGAAGATCTTCTGGAGCCACAGGAACAGCTT
CCCCACCTCCTTACC GCCTCCTGTTTCCAGGTTGATGCTGCTATTGGATTACTAATG
CCGCCTTTCAGACCCCTGTTAATCTCTCAGTTTTCTGTGACCACAATACTGTGGAG
GATACAATGCACCAGCGAAAAGGATTCATCAGCTAGAACAGCAAGTTGAAAACTCAGA
AAGAAGCTCAAGACCGCACAGCAGCGATGCAGAAGGCAAGAACCGCAGCTTGAAAAATTA
AAGGAGGTTGTTCACTTCCAGAAAGAGAAAGACGACGTATCAGAAAGAGGTTATGTGATT
CTACCAAATGACTACTTTGAAATAGTTGAAGTACCAGCATAA
```

Clone variation with respect to NM_018105.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018105 unedited
 ACGACTACTATAGGCGGCCGCGAATTCGGCACGAGGCCGCCATCTTGGAGATGGGAGA
 CGGGCGATGGCTGTGGTCTTCTGCTAATGCAAACAACAAAACGGGCACACTAGTCACCC
 CCGAGGGAGGCCACCATCACTGTAAGTGTGGCCAAAGCTACAAAAGAAGCGAGGGAATC
 CAACCGAGCGCAGCGACACTGAGAACAGCTTCCCCTGCCTTCTGCGGGCGCAGAAGTGAA
 GTGCCTGAGGACCGAAGGATGGTGCAGTCTCGCTCCGCTACGGCTGCAAGAACCGCTA
 CGACAAGGACAAGCCCGTTTCTTTCCACAAGTTTCTCTTACTCGACCCAGTCTTTGTAA
 AGAATGGGAGGCAGCTGTGAGAAGAAAAAATTTAAACCCCAAGTATAGCAGTATTTG
 TTCAGAGCACTTTACTCCAGACTGCTTTAAGAGAGAGTGCAACAACAAGTTACTGAAAGA
 GAATGCTGTGCCACAATATTTCTTTGACTGAGCCACATGACAAGAAAGAAGATCTTCT
 GGAGCCACAGGAACAGCTTCCCCACCTCCTTTACCGCTCCTGTTTCCCAGTTGATGC
 TGCTATTGGATTACTAATGCCGCTCTTCCAGACCCTGTTAATCTCTCAGTTTTCTGTGA
 CCACAATACTGTGGAGGATACAATGCACCAGCGAAAGGATTCATCAGCTAGAACAG
 CAGTTGAAAAACTCAGAAAGAGCTCAAGACCGCACAGCAGCGATGCAAGAAGGCAGAACC
 GGCAGCTGAAAAATAAGGANGNTNGNTCACTTNCAGAAAGAGAAAGACGACGTATAGAA
 ANGAGGNNATGTGATCTACAAATGACTACTTNGAAATANTNGAAGTACCGCATAAAAA
 ATGAAATTGTGGTTGATTCTAATGGGGCANTACCAATAATCCTNCTCTAGCTGTAAGGG
 AGTTCATTAATAAACACTTGATACTTATTAACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018105 unedited
 CCGCATGTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACAATGCCTTACTTTATTTATTG
 AAAATGTTTCTCCACTGAAAAACACTTCTAATTTTATAATGCAAGACAGTAGGGGAA
 AAAATAGGAGCCCATGTAAAAAATCCACTCTTAAATCTGAAGTTATTGATCAG
 ATATGCAATGACTTTTTTCTGCTGTGATATAATCAAATCTTTTTCTTAAAGTACTGACT
 TGCCAATTTATCTTTGATAACTGATTCAGAAAGATAAATGAACCTTGTGACTTTACATAT
 GAGAATATGTACATATGTATATATATTTCTAAGAAGTTATGTCCCATGATCTGACCCAT
 ACTTCTGATTTAAAAATAACTAAATTTCTCAATAAACAGTACTAATTTTAAAGTTTTA
 AACTGAAATCACCTTTTACCACACTGTCTCATTCTCTTTACTTTTTATTTTTACATTA
 TTTCTATAAATACTAAAAAACCCTAAAAATCCCAATCTTGAAACCACTTACATTAG
 AGGTCTGAGGTTAGTTTATAACTTTTAAAAATTTTTGTTAAAAATGAAAAACCTGAAAT
 TACAACAAAAAATTTATAATTTTACAGTATATATAGAATTTCTTTTAAAAAATATTC
 TGAATGTTTCTATATAAGGAACCAATGTTATTTTTCTAAATGAACTCCTTTACAGGG
 CTAGAGGAGGATTTGTGTGATTGCCCCATTANCAAATCAATACACATTTTGATTCTT
 TGTATGGCTGGTGCCTTCAACTAATTTCAAAGTAGCCATTTGCGTAAGATAAACATATCC
 CTCTTTCTGAACCTCCGGCTTTCTTCTCCGGGAAGGGAACAACCTCTTAAATATTTCC
 AGCCGCCGCCGTGGCTCTTGCATCGCTGGCTTGGGCGGCTCTGAGACTTCTCTTGTG
 AGTTTCGAACTTGGCCGATCTAACCGAGAGAACACTCTACGTCCGGCATTGCCTCCTCA
 GCACCGATATCGTAT

Restriction Sites:

NotI-NotI

ACCN:

NM_018105

Insert Size:

1650 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).

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:

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_018105.2](#), [NP_060575.1](#)

RefSeq Size: 2189 bp

RefSeq ORF: 642 bp

Locus ID: 55145

UniProt ID: [Q9NVV9](#)

Cytogenetics: 8p11.21

Domains: DM3

Gene Summary: The protein encoded by this gene contains a THAP domain, a conserved DNA-binding domain. This protein colocalizes with the apoptosis response protein PAWR/PAR-4 in promyelocytic leukemia (PML) nuclear bodies, and functions as a proapoptotic factor that links PAWR to PML nuclear bodies. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).