

Product datasheet for **RG206000**

THAP1 (NM_018105) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THAP1 (NM_018105) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	THAP1
Synonyms:	DYT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206000 representing NM_018105 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCACTCCTGCTCCGCCTACGGCTGCAAGAACCGCTACGACAAGGACAAGCCGTTTCTTTCCACA
AGTTTCTCTTACTCGACCCAGTCTTTGTAAGAATGGGAGGCAGCTGTCAGAAGAAAACTTTAAACC
CACCAAGTATAGCAGTATTTGTTTCAGAGCACTTACTCCAGACTGCTTAAAGAGAGAGTGCAACAACAAG
TACTGAAAGAGAATGCTGTGCCACAATATTTCTTTGACTGAGCCACATGACAAGAAAGAAGATCTTC
TGGAGCCACAGGAACAGCTTCCCCACCTCTTACCCTCCTGTTTCCAGGTTGATGCTGCTATTGG
ATTACTAATGCCGCTCTTCAGACCCCTGTTAATCTCTCAGTTTTCTGTGACCACAATACTGTGGAG
GATACAATGCACCAGCGGAAAAGGATTCATCAGCTAGAACAGCAAGTTGAAAACTCAGAAAGAAGCTCA
AGACCGCACAGCAGCGATGCAGAAGGCAAGAACGGCAGCTTAAAAATTAAGGAGGTTGTTCACTTCCA
GAAAGAGAAAGACGACGTATCAGAAAGAGGTTATGTGATTCTACCAATGACTACTTTGAAATAGTTGAA
GTACCAGCA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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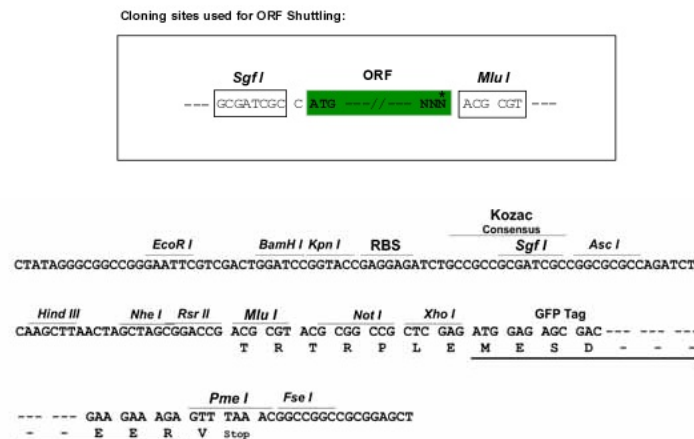
Protein Sequence: >RG206000 representing NM_018105
 Red=Cloning site Green=Tags(s)

MVQSCSAYGCKNRYDKDKPVSFHKFPLTRPSLCKEWEAAVRRKNFKPTKYSSICSEHFTPDCFKRECNNK
 LLKENAVPTIFLCTEPHDKKEDLLEPQEQLPPPPLPPPVSQVDAAIGLLMPPLQTPVNLVSVFCDHNYTVE
 DTMHQQRKRIHQLEQQVEKLRKKLKAQQRCRRQERQLEKLKEVVHFQKEKDDVSERGYVILPNDYFEIVE
 VPA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018105

ORF Size: 639 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:

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_018105.3](#)

RefSeq Size: 2189 bp

RefSeq ORF: 642 bp

Locus ID: 55145

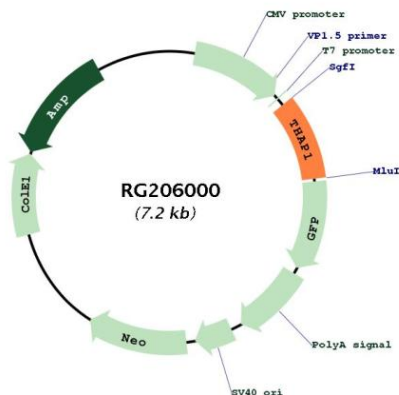
UniProt ID: [Q9NVV9](#)

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]

Product images:



Circular map for RG206000