

Product datasheet for **RC222957**

THAP1 (NM_199003) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: THAP1 (NM_199003) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: THAP1
Synonyms: DYT6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC222957 representing NM_199003
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCAGTCCTGCTCCGCCTACGGCTGCAAGAACCGCTACGACAAGGACAAGCCGTTTCTTTCCACA
AAAAGAAGATCTTCTGGAGCCACAGGAACAGCTTCCCCACCTCTTTACCGCTCCTGTTTCCAGGTT
GATGCTGCTATTGGATTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222957 representing NM_199003
Red=Cloning site Green=Tags(s)

MVQSCSAYGCKNRYDKDKPVSFHKKKIFWSHRNSFPHELLYRLLFPRLMLLLDY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3649_h01.zip

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_199003

ORF Size: 159 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_199003.1](#), [NP_945354.1](#)

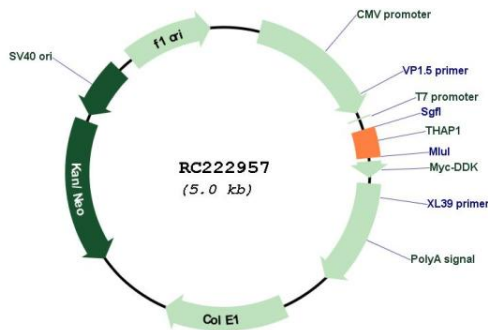
RefSeq Size: 1993 bp

RefSeq ORF: 162 bp

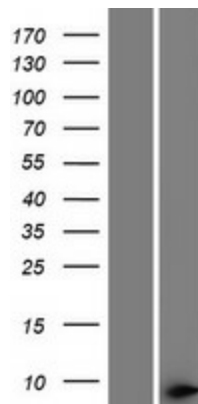
Locus ID: 55145
UniProt ID: [Q9NVV9](#)
Cytogenetics: 8p11.21
MW: 6.3 kDa

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 RC222957



Western blot validation of overexpression lysate (Cat# [LY404715]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222957 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).