

## Product datasheet for **RC204281**

### THAP11 (NM\_020457) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	THAP11 (NM_020457) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THAP11
Synonyms:	CTG-B43a; CTG-B45d; HRIHFB2206; RONIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204281 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGCTTTACGTGCTGCGTGCCAGGCTGCTACAACAACCGCACCCGGGACAAGGGCTGCACTTCT  
ACACGTTTCAAAGGACGCTGAGTTGCGGCGCCTCTGGCTCAAGAACGTGTCGCGTGCCGGCGTCAGTGG  
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ACCTACACGGTACGCGTCCCCACCATCTTCCCGCTGCGCGCGTCAATGAGCGCAAAGTAGCGCGCAGAC  
CCGCTGGGGCCGCGGCCCGCCGCGCAGGCAGCAGCAGCAACAGCAGCAGCAGCAACAGCAGCAACA  
GCAGCAGCAGCAACAGCAGCAGCAGCAGCAGCAGCAGTCTCACCTCTGCCTCCACTGCCAG  
ACTGCCAGCTGCAGCCGAACCTGGTATCTGCTTCCGCGCCGTGCTTCTCACCTTCAGGCCACTGTAG  
ACAGCAGTCAGGCTCCGGGATCCGTACAGCCGGCGCCATCACTCCCACTGGAGAAGACGTGAAGCCAT  
CGATCTCACAGTGCAAGTGGAGTTTGCAGCCGAGAGGGCGCAGCCGCTGCGGCCCGCGTCCGAGTTA  
CAGGCTGCTACCGCAGGGCTGGAGGCTGCCGAGTGCCTATGGGCCCCAGTTGGTGGTGGTAGGGGAAG  
AGGGCTTCCCTGATACTGGCTCCGACATTCGTAATCTTGTGTCAGGCACCACGGAGGAGGAGCTCT  
GCGCAAGCTGAATGAGCAGCGGGACATCTGGCTCTGATGGAAGTGAAGATGAAAGAGATGAAAGGCAGC  
ATTCGCCACCTGGTCTCACTGAGGCCAAGCTGCGCAAGAAGTCCGTGAGAAGGATCGGCTGCTTGCCA  
TGGCTGTCATCCGCAAGAAGCACGGAATG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC204281 protein sequence  
Red=Cloning site Green=Tags(s)

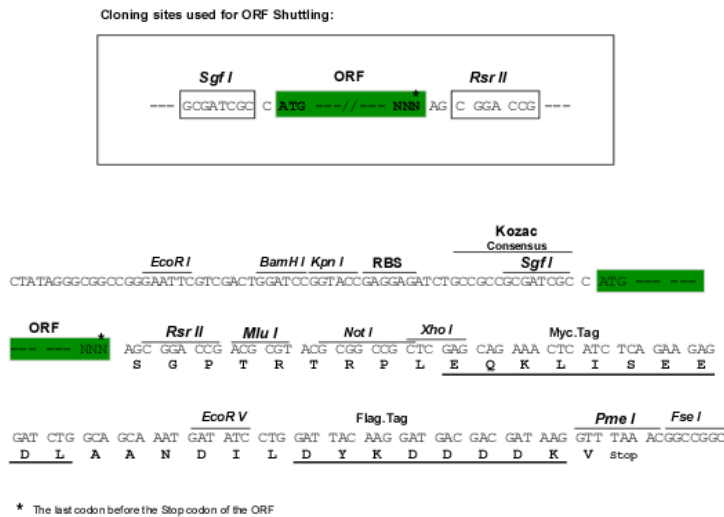
MPGFTCCVPGCYNNSHRDKALHFYTFPKDAELRRLWLKNVSRAGVSGCFSTFQPTTGHRLCSVHFQGGRK  
 TYTVRVPTIFPLRGVNERKVARRPAGAAAARRRQQQQQQQQQQQQQQQQQQQQSSPSASTAQ  
 TAQLQPNLVSASAAVLLTLQATVDSSQAPGSVQPAPITPTGEDVKPIDLTVQVEFAAAEGAAAAAASEL  
 QAATAGLEAAECPMPGPQLVVVGEEGFPDTGSDHSYLSLSSGTTEELLRKLNQRDILALMEVKMKEMKGS  
 IRHLRLTEAKLREELREKDRLLAMAVIRKKHGM

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6614\\_e05.zip](https://cdn.origene.com/chromatograms/mk6614_e05.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_020457

**ORF Size:** 939 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\\_020457.1](#)

**RefSeq Size:** 1903 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 57215

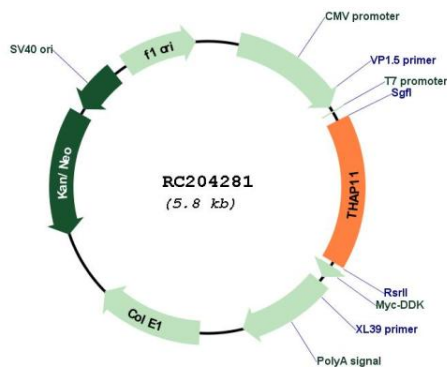
**UniProt ID:** [Q96EK4](#)

**Cytogenetics:** 16q22.1

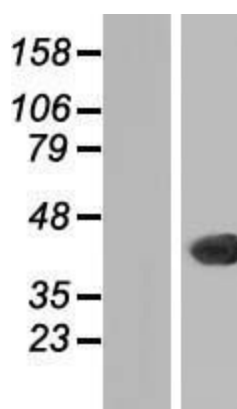
**MW:** 34.3 kDa

**Gene Summary:** The protein encoded by this gene contains a THAP domain, which is a conserved DNA-binding domain that has striking similarity to the site-specific DNA-binding domain (DBD) of *Drosophila* P element transposases. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC204281



Western blot validation of overexpression lysate (Cat# [LY412462]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204281 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).