

Product datasheet for RC214302

THAP7 (NM_001008695) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THAP7 (NM_001008695) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THAP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214302 representing NM_001008695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCGTCACTGCTCCGCCGCCGGCTGCTGCACACGGGACACGCGGAGACGCGCAACCGCGGCATCT
CCTTCCACAGACTTCCAAGAAGGACAACCCGAGGCGAGGCTTGTGGCTGGCCAACTGCCAGCGGCTGGA
CCCCAGCGCCAGGGCCTGTGGGACCCGGCATCCGAGTACATCTACTTCTGCTCCAAACACTTTGAGGAG
GACTGCTTTGAGCTGGTGGGAATCAGTGGATATCACAGGCTAAAGGAGGGGGCAGTCCCCACCATATTTG
AGTCTTTCTCAAGTTGCGCCGGACAACCAAGACCAAGGACACAGTTACCCACCTGGCCCCGCTGAAGT
CAGCCGGCTCAGACGATGCAGGAAGCGCTGCTCCGAGGGCCGAGGGCCCACTCCATTTTCTCCACCT
CCACCTGCTGATGTACCTGCTTTCCTGTGGAAGAGGCCTCAGCACCTGCCACTTTGCCGGCCTCCCCAG
CTGGGAGGCTGGAGCCTGGCCTTAGCAGCCCTTTTCCAGACCTACTGGGCCCTTGGGTGCCAGGCAGA
TGAAGCAGGCTGCAGCGCCAGCCTTACCAGAGCGGCAGCCCTCCCCTCTCGAACCACGGCCAGTCTCC
CCCTCAGCGTATATGCTGCGCCTGCCCCACCCCGGAGCCTACATCCAGAATGAACACAGTACCAGG
TGGGCAGCGCCTTACTCTGGAAGCGGCGAGCCGAGGCAGCCCTTGATGCCCTTGACAAGGCCAGCGCCA
GCTGCAGGCTGCAAGCGGGGAGCAGCGGCTGCGGTTGAGACTGACCAAGCTGCAGCAGGAGCGGGCA
CGGGAGAAGCGGGCACAGGCAGATGCCCGCCAGACTCTGAAGGAGCATGTGCAGGACTTTGCCATGCAG
TGAGCAGCAGCATGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC214302 representing NM_001008695
Red=Cloning site Green=Tags(s)

MPRHCSAAGCCTRDTRNTRNGISFHRLPKKDNPRRGLWLANCQRLDPSGQGLWDPASEYIYFCSKHFEEDCFELVGISGYHRLKEGAVPTIFESFSKLRRTTKTKGHSYPPGPAEVSRLLRRCRCRCEGRGPTTPFSPPADVTCFPVEEASAPATLPASPAGRLEPGLSSPFDLLGPLGAQADEAGCSAQPSPERQPSPLEPRPVS PSAYMLRLPPPAGAYIQNEHSYQVGSALLWKRRAEALDALDKAQRQLQACKRREQRLRLRLTKLQQUERA REKRAQADARQTLKEHVQDFAMQLSSSMA

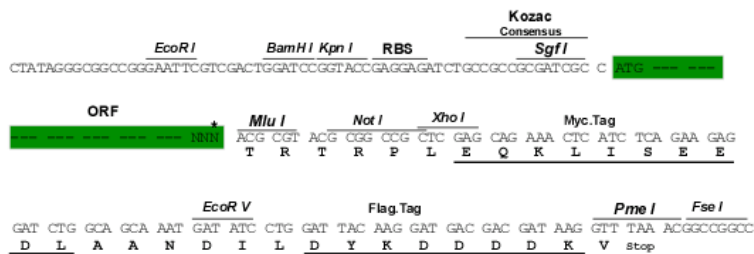
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6404_b01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008695

ORF Size: 927 bp

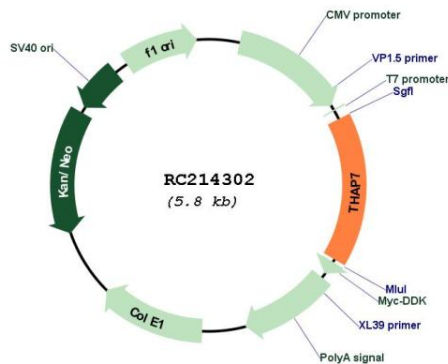
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

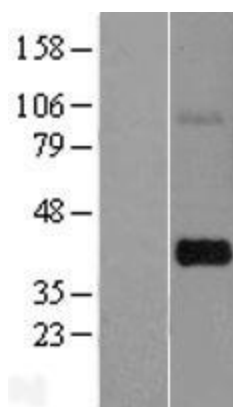
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<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:	NM_001008695.1 , NP_001008695.1
RefSeq Size:	1097 bp
RefSeq ORF:	930 bp
Locus ID:	80764
UniProt ID:	Q9BT49
Cytogenetics:	22q11.21
Protein Families:	Transcription Factors
MW:	34.2 kDa
Gene Summary:	Chromatin-associated, histone tail-binding protein that represses transcription via recruitment of HDAC3 and nuclear hormone receptor corepressors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214302



Western blot validation of overexpression lysate (Cat# [LY423347]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214302 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).