

Product datasheet for **SC321867**

THAP5 (NM_182529) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THAP5 (NM_182529) Human Untagged Clone
Tag:	Tag Free
Symbol:	THAP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182529.1
 GTGAGGCCTTGGACCTGTGGCCTTTGGGCTTGGGTGTCTCCTGTCCGCTCTGCCAGTGAG
 TCCTCAGCTCTCCGTACGTGGCCCGTCGCCCGCGCAAGACGGAGGGAAGGCGCTAGTTC
 AGTTTAGCTAGCAATGCCCTTCTTGCGCAGGACTGCTGGCTGGTGGCGAGGCCAGGAG
 CCTGTTTGGGTGTTAACAGTTAAACAGTAAAGTTTGC GCGGGCTTCTGTGGTTTTCAGT
 CTTTTCCCACTTCACGTGATCTCATTTTCATTGAGCAACATTAACCACCATTTAAGATAC
 GTGAAACCTGCGAAGTGGAAAGGTGCACGCAAGTTAATTTACACCCCCGCGAGATTTC
 CTCTACATGACAAAGAAAGACTGGAAAAGTGTTAAAGAATATGAAGCGAGATTTCATGGG
 TTCCCACTAAATACCAGTTTCTATGTAGTGACCATTTTACTCCTGACTCTCTTGACATCA
 GATGGGGTATTGATATTTAAACAAACTGCAGTTCCAACAATATTTTCTTGCCTGAAG
 ACAATCAGGGAAGACCTTCTAAAAAATCCAGAAGAAAACTTGGAAAGTGAGA
 AAGAAGTATGCCAAAAGCCAAGTCAGAAGAATCATTTGTATTAATGAGACAAAGAAAA
 ATATAGTTAACACAGATGTGCCCATCAACATCCAGAATTACTTCATTTCCTTCTGG
 TAAAGCCACAGCTCCCAAAACAGGAAGTATACAAAATAACATGTTAACTCTTAATCTAG
 TTAACAACATACTGGGAAACAGAACTACCTTGGAACATCAGTTAACCAAGATACAG
 GTAGAGGTGGTTTTACACATGTTTTGAGAATCTAAATCTACAATATTACTTTGACAA
 CTTCAAATTCAGAAAGTATTCATCAATCTTTGGAACCTCAAGAAGTTCTTGAAGTAACTA
 CCAGTCATCTTGCTAATCCAACTTTACAAGTAATCCATGGAATAAAGTCAGCACAGG
 AAAATCCATTCTTATTCAGCACAAATTAATCAAACAGTTGAAGAATTAACACAAATAAAG
 AATCTGTTATTGCCATTTTGTACCTGCTGAAAATCTAAACCCTCAGTTAATCTTTTA
 TATCTGCACAAAAAGAACACGGAATGGAAGACACAGACATTGAAGACTCCTTGATATA
 AGGATGTAGACTATGGGACAGAAGTTTACAAATCGAACATTCTTACTGCAGACAAGATA
 TAAATAAGGAACATCTTTGGCAGAAAGTCTTAAGCTACATTCAAAGATAACTCTTCTAG
 AGTTAAAGAGCAACAACTCTAGGTAGATTGAAGTCTTTGGAAGCTCTTATAAGGCAGC
 TAAAGCAGGAAAACTGGCTATCTGAAGAAACGTCAGATTATAGAAAACCATTTTACAA
 CATATGAAGTCACTATGATATAGAATAACTAGGTTTTAAACTATGGCTGTTAAATAAGC
 TTTTCCAGCCAAACAACTACATGTAAGTGAAGTGTTCCTGTATAAAGTTCTCATC
 TTAATGAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_182529

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_182529.1](#), [NP_872335.1](#)

RefSeq Size: 3427 bp

RefSeq ORF: 702 bp

Locus ID: 168451

UniProt ID: [Q7Z6K1](#)

Cytogenetics: 7q31.1

Gene Summary: Has sequence-specific DNA-binding activity and can function as transcriptional repressor (in vitro) (PubMed:21110952). May be a regulator of cell cycle: THAP5 overexpression in human cell lines causes cell cycle arrest at G2/M phase (PubMed:19502560).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.