

Product datasheet for **SC315225**

THADA (AK025445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THADA (AK025445) Human Untagged Clone
Tag:	Tag Free
Symbol:	THADA
Synonyms:	ARMC13; GITA
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK025445, the custom clone sequence may differ by one or more nucleotides

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ATGTCATCCATTTGCAACAGTCTTTTTGAAGCATTGTTTCCTGGATCTTCTACTCGACT
AGATTTTCAGCTTTAACCATTTTAGGTTCAATAGCTGAAGTTTTTCATGTCCCAGAAGGC
AGAATTTATACAGTATATCAGCTGAGTCATGATATTGATGTTGGTCGTTTCCAAACACTA
ATGGAATGTTTTACCAGCACTTTTGAAGACGTGAAAATTTAGCATTGATCTTCTGATG
AAGTTATCAAAAACAGCTGTACACTTTTCAGGATTCGGGGAACTGCAAGGCTTATTTGAG
GCAGCATTGGAGCTCAGCACAAGCACCAAAACCATACGACTGTGTGACAGCTTCTACCTG
CTGAACCTCTTAATCTGGCAGGATGCTCTACCGTCATCCTTGTCTGCCTACTTAACTCAG
CAAGTTGCATGTGATAATGGAGATAGGCCTGCTGCTGTGGTGGAAAGGAACACATTAATG
GTTATCAAATGCTTGATGGAAAATCTTGAGGAAGAAGTATCTCAGGCTGAAAATCTCTG
CTTCAGGCAGCAGCAGCATTTCATGTATGGGCGAGTCCACTGTATAACAGGAGCTTTG
CAGAAGTTATCTCAAACAGCCTGCAGTTGGTGAGCGAGTGGAGACCTGTGGTAGAGAAG
CTCCTTTTGATGCTACAGGCTTTCCACTGTGGTGTCTCCAGTCATTGAGAGCTCATCC
CCTGAAGGCCTCATCCCAATGGACACTGATTCAGAGTCAGCAAGCCGCTTACAGATGATT
CTGAATGAGATTCAGCCTCGAGATACTAATGATTATTTTAAACCAAGCCAAAATATTGAAA
GAACATGATAGCTTTGATATGAAGGACTTGAATGCTAGTGTGGTGAATATTGATACTTCT
ACAGAAAATCAAAGGTAAAGAAGTAAAAACATGTGATGTAAGTGCAGATGGTGCTGGTA
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CCCATGCAGCCTGTGCCAGAATCTTCTGATGGATTATTGACGGTGGAGCAGGTAAAAGAA
ATAGGAGATTACTTTAAACAACACCTTTTGCAGTCCAGGCACAGAGGAGCATTGAAATTG
GCTTATACTGGTTTTGTGAAACTCACTGAAGTACTAAACAGGTGCCAAAATGTGAGTCTG
CAAAAGCTGCCAGAACAGTGGCTATGGAGTGTGTTAGAGGAAATTAATGCAGTGATCCT
TCATCTAAACTCTGTGCTACAAGGCGCAGTCTGGAATTCCTTTCTACATACAGGCACTG
TTGGCATCTGAACCAAAGAAAGGCAGAATGGATTTGTTGAAAATAACAATGAAAGAGTTA
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AATATCCTTAGAGCATTGTTGAGAGATACGCGCCTGGGAGAAAATATTATTCCTTATGTT
GCTGATGGAGCTAAGGCTGCAATTCTGGGTTTTACATCACCGGTCTGGGCAGTGCGAAAT
TCATCCACACTTCTTTAGTGCCTTGATCACAAGAATTTTTGGAGTTAAAAGGGCAAAG
GATGAACATTCAAAACAATAAGGTGTGGTCACTCACCTGTCTACCACTCCCGTGAATG
GCAGCTCGTGCCTTGGTCCCATTGTTATGATAGATCACATTCTAATACCATTCCGAAC
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CTGTTGTCCACACTCCCCAGCTGCACTGACCAGTGTTCCTCCGGCAAACCACATTCATGGG
ACACTTCTCCAGGTTTTTTCATTTGTTGCAAGCCTACTCAGACTCCAAACACGGAACGAAT
TCAGACTTCCAGCAGGAGCTGACTGACATCACTGTTTGTACCAAAGCCAAACTCTGGCTG
GCCAAGAGGCAAATCCATGTTTGGTGACCAGAGCTGTATATATTGATATTCTCTTCTTA
TTGACTTGGCTGCCTCAACAGATCTGCAAAGGACAACCAGCCAGTCTGGAGAGTCTTGGC
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CTCACCAGTATTACACCCTTTTCTCACCACCCCATCCTATTCTTGAGTTGCAGGAT
ACACTTGTCTCTGGAAGTGTGCTTACCCTTCTGCAGAGTGAGGAGCAAGCTGTTAGA
GATGCAGCCACGAAACCGTGACAACCTGCCATGTACAAGAAAATACCTGCCAGTCAACA
GAGTTTGCCTTCTGCCAGGTGGATGCCTCCATCGCTCTGGCCCTGGCCCTGGCCGTCCTG
TGTGATCTGCTCCAGCAGTGGGACCAGTGGCCCTGGACTGCCATCCTGCTGGGATGG
CTGTTGGGAGAGAGTGTGACCTCGTGGCTGTGTGGAGAGCATGCATCAGGTGGAAGAA
GACTACCTGTTTGA AAAAGCAGAAGTCAACTTTTGGCCGAGACCCTGATCTTTGTGAAA
TACCTCTGCAAGCACCTTCTGTCTCCTCAAAGTCCGGCTGGCGTCCCCCAAGCCCT
GAGATGCTCTGTACCTTCAAAGGATGGTGTGAGAGCAGTGCCACCTCCTGTCTCAGTTC
TTCAGAGAGCTTCCACCAGCTGCTGAGTTTGTGAAGACAGTGGAGTTCACAAGACTACGC
ATTCAAGAGGAAAGGACTTTGGCTTGGCTTGGAGGCTGCTGGCCTTTTTGAAGGAAAGGAA
GGGGAAGACACCCTAGTTCTCAGTGTGGGACTTTATGCAGAATCGAGGCAGTTAACT
CTTCCAAGAACAGAAGCGGCATGT

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- Restriction Sites:** Please inquire
- ACCN:** AK025445
- 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: [AK025445.1](#), [BAB15133.1](#)

RefSeq Size: 3697 bp

RefSeq ORF: 3447 bp

Locus ID: 63892

Cytogenetics: 2p21

Gene Summary: This gene is the target of 2p21 chromosomal aberrations in benign thyroid adenomas. Single nucleotide polymorphisms (SNPs) in this gene may be associated with type 2 diabetes and polycystic ovary syndrome. The encoded protein is likely involved in the death receptor pathway and apoptosis. [provided by RefSeq, Sep 2016]