

Product datasheet for **RG233182**

THADA (NM_001271643) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THADA (NM_001271643) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	THADA
Synonyms:	ARMC13; GITA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG233182 representing NM_001271643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTGTAAGAAGAAGAAGAATAATGCAAGTTGCTGCGCTGACCATTTGCCATCAGGACCTTGAACTT
 TGAATCTTTTGCTGATGTGGAAGGAAAAATCTAGCTTCTTTGCTGTTACATTGTGTGCAACTCACGGA
 TGGAGTGCACAAATCCATTATATTAACAGATTGTGCCTCTGCTGGAGAAAGCAGATAAAAAATGCCATG
 TGTGATCCCACTATTCAAAGTTGTTGGATATCTTAGCAGGCATTTATCTTTCTTTGAGTCTAAAGAATC
 CCTTGAAGAAAGTATTGGCAAGCTCACTAAATAGCCTGCCTGATTTTTTTCTACCTGAGGCTATGCACCG
 TTTTACTTCTCGTCTCAGGAAGAATGAATACTACTGACTTATACTCTTACAGGAAAGTACTGACAAT
 ATTTCTTCTGTATGGAGAACTTAACTTGGGTAGAGCAAGTGTAAATAATCTGCTTAAAAATGTGCTTC
 ATTTTCTGCAGAAGAGTTAATTGAAATCTGGAAGAAAAATAGAAAATGTGCTGGAAATCATATTATCA
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 TTCCAGGGAAATCTTTGGAAGACTTCCGATTCTCCCATATGGCAAAAATATGTGTGGATTGCTGAGTATTT
 TTACCAAGGTTTTAAGCGATGATGATCTGTTACAGACTGTACAGAGCACATCTGGATTAGCTATTATTCT
 TTTTATTAAGACTATGTTTACCCTGCTGAAAAGATTCCCTCATTGATTAGCAGTGTGCTGCTTCGTTCA
 GTGGACTGCACCAGTGTCCCGAGTGGTTATGAGCAGCTGCAGGAGCCTCTGTTGTGGTACATCTCTC
 AGTCAGCTGTCTTATCCCTCTGTGAGGGACACTTGCCATGTTGGACTGGCAGAACGGAAGCATGGGTCG
 GAGTGGGAGGCCCTGCTCTGGATACTGCACATGTTTTGTTACCTTGAATTCACAGATTAAGAGCCA
 ACGCTGAAAATGTTTCTGTCTAGAATCTTAGCATCCTGGACTAATCAGCCATAACAAGCTTTGAATCAA
 GTTCCCGAGCCTAACGGACAGCCTGAATGGGAATTCAGTATAGTTGGGAGACTTTTGGAAATGTCTA
 TACCCATTGGGAACATCCATTGGATGCTCTGAGACACCAAAACAAATCATGTTCAAAAACCTTCTCCAA
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 TTTTACGATTGGAATGGCATATTAAGGAAAGTACACGTGCCTTGGTTGTTTGGTAGAGTGCATAGGAGT
 TGAACATATTTGGCTATAGATAAACTATTCCATCTCAAATCTTAGAGGTGATGGGAGACCAGTCAATG
 GTACCTTATGCAAGTACCTCTTGGAAACCATGTTTAGAAATCATAAGAGTCAATTTGAAATCCCAGACTG
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 TGGACATCTTCACTGCAACTGATACCTGGGAGAACCTCGTGTCTGATGCAAGAATAAAGCAAGGCTTA
 ATTCATCAGCATTGCCAAGTAAGGATAGATACATTAGGCTTGCTTTGTGAAAAGTAAATCGGAGCACAGAAA
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 TTCCTACTCGACTAGATTTTCACTTTAACCTTTTAGGTTCAATAGCTGAAGTTTTTCAATGCTCCAGAA
 GGCAGAAATTTATACAGTATATCAGCTGAGTCAATGATATTGATGTTGGTCGTTTCCAAACACTAATGGAAT
 GTTTTACCAGCACTTTTGAAGACGTGAAAATTTTAGCATTGATCTTCTGATGAAGTTATCAAAAACAGC
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 GAACACATTAATGGTTATCAATGCTTGTGGAATACTTGGGAAAGAAGTATCTCAGGCTGAAAATCT
 CTGCTTACAGCAGCAGCAGCATTCCAATGTATGGGCGAGTCCACTGTATAACAGGAGCTTTCAGAAAGT
 TATCTCTAAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG233182 representing NM_001271643
Red=Cloning site Green=Tags(s)

MGVKKKKEMQVAALTICHQDLETLSKFADVEGKNLASLLLHCVQLTDGVSQIHYIKQIVPILLEKADKNGM
 CDPTIQSCLDILAGIYLSLSLKNPLKKVLASSLNSLPDFFLPEAMHRFTSRLQEELNTTDLYSYRKVTDN
 ISSCMENFNLGRASVNNLLKNVLFHQKSLIEILEENRKCAGNHIQQTQLMNDLLVGIRVSMMLVQKVQD
 FQGNLWKTSDSPIWQNMCGLLSIFTKVLSDDDLQTVQSTSGLAIIILFKITMFHPSEKIPHLISSVLLRS
 VDCTSVPEWFMSSCRSLCCGDISQSAVFLCQGTLAMLDWQNGSMGRSGEALLLDTAHVLFLLSSQIKEP
 TLEMFLSRILASWTNSAIQVLESSPSSLTDSLNGNSSIVGRLLEYVYTHWEHPLDALRHQTKIMFKNLLQ
 MHRLTVEGADFVPDPFFVELTESLLRLEWHIKGKYTCLGCLVEICGVEHILAIDKTIQPSQILEVMGDQSL
 VPYASDLLETMFRNHKSHLKSQTAESSWIDQWHEWVSPLLFILCEGNLDQKSYVIDYYLPKLLSYSPES
 LQYMKILQTSIDAKTGQEQSFPSLGSCNSRGALGALMACLRIARAHGLQSATDTWENLVSDARIKQGL
 IHQHCQVRIDLGLLCSNRSTEIVSMEEMQWIOFFITYNLSQSPGVRQQICSLKKLFCRIQESSQVL
 YKLEQSKSKREPENELTKQHPSVSLQQYKNFMSSICNSLFEALFPGSSYSTRFSALTILGSAIEVFHVPE
 GRIYTVYQLSHDIDVGRFQTLMECFTSTFEDVKILAFDLLMKLSKTAVHFQDSGKLQGLFQAALELSTST
 KPYDCVTASYLLNFLIWQDALPSSLAYLTQQVACDNGDRPAAVVERNTLMVIKCLMENLEEEVSAQENS
 LLQAAAAFPMYGRVHCITGALQKLSLK

TRTRPLE - GFP Tag - V

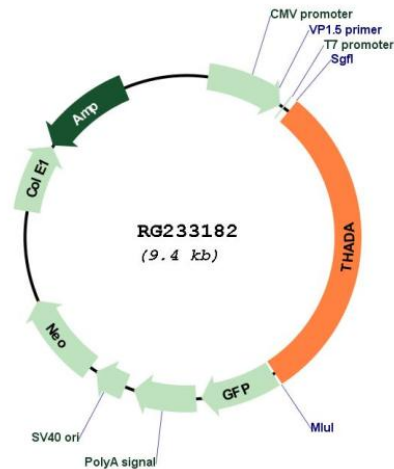
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271643

ORF Size: 2811 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_001271643.2](#)

RefSeq Size: 3313 bp

RefSeq ORF: 2814 bp

Locus ID: 63892

UniProt ID: [Q6YHU6](#)

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]