

Product datasheet for **RG233163**

THADA (NM_001271644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THADA (NM_001271644) 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:

>RG233163 representing NM_001271644
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGTAAGAAGAAGAAAGAAATGCAAGTTGCTGCGCTGACCATTTGCCATCAGGACCTTGAACTT
TGAATCTTTTGCTGATGTGGAAGGAAAAATCTAGCTTCTTTGCTGTTACATTGTGTGCAACTCACGGA
TGGAGTGCACAAATCCATTATATTAACAGATTGTGCCTCTGCTGGAGAAGCAGATAAAAAATGCCATG
TGTGATCCCACTATTCAAAGTTGTTGGATATCTTAGCAGGCATTTATCTTTCTTTGAGTCTAAAGAATC
CCTTGAAGAAAGTATTGGCAAGCTCACTAAATAGCCTGCCTGATTTTTTTCTACCTGAGGCTATGCACCG
TTTTACTTCTCGTCTCAGGAAGAATTGAATACTACTGACTTATACTCTTACAGGAAAGTTACTGACAA
ATTTCTTCTGTATGGAGAATTAACCTGGGTAGAGCAAGTGTAAATAATCTGCTTAAAAATGTGCTTC
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TTACCAAGGTTTTAAGCGATGATGATCTGTTACAGACTGTACAGAGCACATCTGGATTAGCTATTATTCT
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ACGCTGAAAATGTTTCTGTCTAGAATCTTAGCATCCTGGACTAATCAGCCATAACAAGCTTGAATCAA
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AACTTGGATCAAAAATCTTACGTGATTGATTACTTGCCAAAATTAAGTTACAGCCCTGAAAGC
TTACAGTACATGGTAAAGATTCTCAGACTTCTATTGATGCTAAAACCTGGACAAGAGCAATCTTTCCCAT
CCTTAGGGTCTTGTAAATAGCAGGGGGCTCTGGGAGCTTTGATGGCATGTCTGCGAATAGCTAGAGCTCA
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AAACCATACGACTGTGTGACAGCTTCTACCTGCTGAACCTTCTAATCTGGCAGGATGCTCTACCGTCAT
CCTTGTCTGCCTACTTAACCTCAGCAAGTTGCATGTGATAATGGAGATAGGCTGCTGCTGTGGTGGAAAG
GAACACATTAATGGGTTTGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233163 representing NM_001271644
 Red=Cloning site Green=Tags(s)

MGVKKKKEMQVAALTICHQDLETLKSFADVEGKNLASLLHCVQLTDGVSQIHYIKQIVPILLEKADKNGM
 CDPTIQSCLDILAGIYLSLSLKNPLKKVLASSLNSLPDFFLPEAMHRFTSRLQEELNTDLYSYRKVTDN
 ISSCMENFNLGRASVNNLLKNVLFHQKSLIEILEENRKCAGNHIQQTQLMNDLLVGIRVSMMLVQKVQD
 FQGNLWKTSDSPIWQNMCGLLSIFTKVLSDDLLQTVQSTSGLAIIILFIKTMFHPSEKIPHLISSVLLRS
 VDCTSVPEWFMSSCRSLCCGDISQSAVFLCQGTLAMLDWQNGSMGRSGEALLLDTAHVLFLLSSQIKEP
 TLEMFLSRILASWTNSAIQVLESSPSTLDSLNGNSSIVGRLLEYVYTHWEHPLDALRHQTKIMFKNLLQ
 MHRLTVEGADFPDPFFVELTESLLRLEWHIKGKYTCLGCLVEICIGVEHILAIDKTIIPSQILEVMGDQSL
 VPYASDLLETMFRNHKSHLKSQTAESSWIDQWHEWVSPLLFILCEGNLDQKSYVIDYYLPKLLSYSPES
 LQYMKILQTSIDAKTGQEQSFPSLGSCNSRGALGALMACLRIARAHGLQSATDTWENLVSDARIKQGL
 IHQHCQVRIDLGLLCSNRSTEIVSMEEMQWIOFFITYNLNSQSPGVRQICSLKKLFCRIQESSQVL
 YKLEQSKSKREPENELTKQHPVSLSLQYKFMSSICNSLFEALFPGSSYSTRFSALTILGSAIEVFHVPE
 GRIYTVYQLSHDIDVGRFQTLMECFTSTFEDVKILAFDLLMKLSKTAVHFQDSGKLQGLFQAALSTST
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TRTRPLE - GFP Tag - V

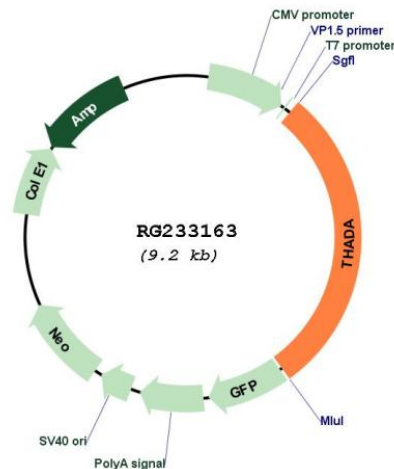
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_001271644

ORF Size: 2682 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_001271644.2](#)

RefSeq Size: 3066 bp

RefSeq ORF: 2685 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]