

Product datasheet for **RG218083**

THADA (NM_001083953) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THADA (NM_001083953) 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)
ORF Nucleotide Sequence:	>RG218083 representing NM_001083953 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGTAAGAAGAAGAAAGAAATGCAAGTTGCTGCGCTGACCATTTGCCATCAGGACCTTGAACTT
TGAAATCTTTTGCTGATGTGGAAGGAAAAATCTAGCTTCTTTGCTGTTACATTGTGCAACTCACGGA
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TGTGATCCCACTATCAAAGTTGTTGGATATCTTAGCAGGCATTTATCTTTCTTTGAGTCTAAAGAATC
CCTTGAAGAAAGTATTGGCAAGCTCACTAAATAGCCTGCCTGATTTTTTCTACCTGAGGCTATGCACCG
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GTACCTTATGCAAGTGACCTCTTGGAAACCATGTTTAGAAATCAT AAGAGTCATTTGAAATCCCAGACTG
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 GCTTGAGGCTGCTGGCCTTTTGAAGGAAAGGAAAGGGAAGACACCCTAGTTCTCAGTGTTTGGGACTC
 TTATGCAGAATCGAGGCAGTTAACTCTTCCAAGAACAGAAGCGGCATGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG218083 representing NM_001083953

Red=Cloning site Green=Tags(s)

MGVKKKEMQVAALTICHQDLETLSFADVEGKNLASLLHCVQLTDGVSQIHYIKQIVPILLEKADKNGM
 CDPTIQSCLDILAGIYLSLKNPLKVLASSLNSLPDFFLPEAMHRFTSRLQEELNTDLYSYRKVTDN
 ISSCMENFNLGRASVNNLLKNVHFLQKSLIEILEENRKCAGNHIQTQLMNDLLVGIRVSMMLVQKVQD
 FQGNLWKTSDSPIWQNMCGLLSIFTKVLSDDLLQTVQSTSGLAIIILFIKTMFHPSEKIPHLISSVLLRS
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 GRIYTVYQLSHDIDVGRFQTLMECFSTFEDVKILAFDMLMKLSKTAVHFQDSGKQLGLFQAALSTST
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 LISLAGPTDDIQSTVPQVHALNLRALFRDTRLGENIIPYVADGAKAAIIGFTSPWAVRNSSTLLFSAL
 ITRIFGVKRAKDEHSKTRMTGREFFSRFPEL YPFLKQLETVANTVDSMGEPNRHPSMFLLLLVLERL
 YASPMDGTSSALSMGPFVPFIMRCGHSPVYHSREMAARALVPFVMIDHIPNTIRTLSTLPSCDQCFRQ
 NHIHGTLQVFLHLLQAYSDSKHGTNSDFQHELTDITVCTKAKLWLAQRQNPCLVTRAVYIDILFLLTCLL
 NRSKDNQPVLES LGFWEEVRGIIISGSELITGFPWAFKVPGLPQYLQSLTRLAIAAVWAAAASGERETN
 VPI SFSQLLES AFPEVRSLTLEALLEKFLAAAAGLGEKGVPLLCNMGEKFLLLAMKENHPECFCILKI
 LHCMDPGEWLPQTEHCVHLTPKEFLIWTMDIASNERSEIQSVALRLASKVISHMQTCVENRELIAAELK
 QWVQLVILSCEDHLPTE SRLAVVEVLTSTTPLFLTNPHPILELQDTLALWKCVL TLLQSEEQAVRDAATE
 TVTTAMSQENTCQSTEF AFCQVDASIALALAVLCDLLQQWDQLAPGLPILLGWL GESSDDL VACVESM
 HQVEEDYLFKAENVFAETLIFVKYLCKHLFCLLSKSGWRPPSPEMLCHLQRMVSEQCHLLSQFFRELP
 PAAEFVKTVEFTRLRIQEERTLA CLRLLAFLEGKEGEDTLVLSVWDSYAESRQLTLPRTEAAC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

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:	<u>NM_001083953.1</u> , <u>NP_001077422.1</u>
RefSeq Size:	6346 bp
RefSeq ORF:	5862 bp
Locus ID:	63892
UniProt ID:	<u>Q6YHU6</u>
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]