

Product datasheet for **RG230347**

TTC39B (NM_001168341) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC39B (NM_001168341) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC39B
Synonyms:	C9orf52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230347 representing NM_001168341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGCTGTGCTGGCCTGCCGCTCCGGGGCGGGGAAATCGAGTAGCTGCACTCAGGCCCGCCCGA
 GACCCGGAGGGAGCGCCGGGCGCTCCCCTTTGCCCTCCTTTGCCGCTGGGCTGAGCCAGAGCCGAGAGC
 AGGAGTCGGCTCTGAGTCCCTGCTTGGTTTTGGGTGGCAGCAGCCAGAGGAGGAATATGGCGCTCTTA
 GGCAGCCGAGCGGAGCTGGAAGCGGACGAGGACGTTTTCGAAGATGCCTTGGAAACCATCTCAATGGCTA
 AGGAGAGTATGTACCATGCCTTGGGCTACAGTACCATTGGTGTTCAGGCTGCTCAGCTTCGAGCA
 ACAGGACATCCAGAACGGCATTCTGCCATGAAGGACGCTTACAAACCTGCCAAAAATACAGGAAAAA
 TACACAGTTGAGAATCTTCTCAAGTCTCTTTAGAGGATCCCTGGAGCACTGAGTGAAGAGGAAA
 TGCATGCTGAAATCTGTTATGCCGAGTGTCTCCTACAGAAAGCTGCACTCAGTTTGTGCAGGATGAAA
 TATGATCAACTTCATCAAAGGTGGACTCAAATAGAACAAAGTTACCAAATATATAAAGAATGCTTTCT
 ATCCTGCATGAAATTCAGAAGAACAATTCAGCAGGAATTCCTTATGAGTTTGAAGGGGTGCAAGC
 TTGGCAGTGGGGCCTTAATTTGATGCTGTCCCTTTACCAGCAAGGATTATCAGACTACTAGAATTTAT
 TGGATTTCTGGGAATAGGGAGTTGGGCCTCCTGCAGTACGTGAAGGTGCTTCAGGAAGGAGCATGAGG
 TCTGCACTGTGCTGCTTAACCATCTTAGCTTTTACACTTACATCTCCCTAATACTTGGTACAGGAGAAG
 TGAATGTTGCGGAAGCAGAGCGTCTCCTGGCACCTTCTCCAGCAGTTTCCAAATGGCTCACTCGTGT
 GTTTTATCATGCCGAATAGAGTTGCTGAAAGGGAATCTGAAGAGGCACAAGAAGTATTTCAAAAATGC
 ATTTCAAGTTCAAGAAGAATGGAACAGTTTACCATCTCTGCTACTGGGAGCTAATGTGGATTAATGTTT
 TCCAACAAAAGTGGATGCAGGCATATTACTATTACAGATCTGCTTTCGAAAGAGAGTAAATGGTCCAAGGC
 AACTTATGTGTTCTTGAAGCAGCAATTTGAGTATGCTTCCAGAGGAGGATGTAGTAGCAACGAATGAG
 AATGTGGTAACCTTATTACAGACAGGTGGACAGCTTGAAGCAGAGAATTGCCGGGAAATCTATCCCTACTG
 AGAAGTTTGTGTGAGGAAGGCTCGGCCTTACTCCGCCTCCTTACCTGCACCTGTGAAGCTCATCTTACC
 TGCCCTGGAAATGATGTATGTCTGGAATGGTTTTTCAATAGTGAGCAAAAAGAAAAGACCTTTCTGAAAAT
 CTGTTAGTAACTGTTGAAAAAGCTGAGGCAGCTTACAAAGTCAAAATTTAACAGCTTCTCTGTGGATG
 ATGAGTGTAGTGAAGTACTTAAAGGATGTTGCCTCAAGAAGTACAGCGGCCCTTCAAGCTGAACT
 ATGTTACAATCATGTTGTGGAAGTAAAAGCTACTGAAGTATGACCACTACCTAGTCCCGTTCACTCTA
 TTTGAATTTGGCATCTTTGTATAAAAGCCAGGGGAAATGACAAGCCATAAAGTTCCTAGAAACTGCAA
 GGAACAACTACAAGATTACTCCCTGGAGTCCAGACTACACTTCAGAATTCAGGCAGCTCTTACCTCTG
 GAGAAAACCTTCTCAGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230347 representing NM_001168341
 Red=Cloning site Green=Tags(s)

MDAVLACRLRGRGNRVAALRPRPRPGGSAGSPFALLCAGLSPEPRAGVGSEFPWFLLGGSSQRRNMALL
 GSRAELEADEDVFEDALETISMAKESMYHALGYSTIVVLQAVLTFEQQDIQNGISAMKDALQTCQKYRKK
 YTVVESFSSLLSRGSLEQLSEEMHAEICYAECLLQKAALTFVQDENMINFIKGLKIRTSYQIYKECLS
 ILHEIQNKLQEFFYEFEGGVKLGSGAFNMLSLLPARIIRLLEFIFSGNRELGLLQREGASGRSMR
 SALCCLTILAFHTYISLILGTGEVNVAEERLLAPFLQQFPNGSLVLFYHARIELLKNLEEAQEVFQKC
 ISVQEEWQFHHLQWELMWINVFQONWQAYYYSDLLCKESKWSKATYVFLKAAILSMLPEEDVATNE
 NVVTLFRQVDSLKQRIAGKSIPTEKFAVRKARRYSASLPAPVKLILPALEMMYVWNGFSIVSKRKDSEN
 LLVTVEKAEAAALQSQNFNSFSVDDECLVKLLKGCCCKNLQRPLQAEFCYNHVVSEKLLKYDHYLVPFTL
 FELASLYKSQGEIDKAIKFLETARNYKDYSLERLHFRIQAALHLWRKPSSD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001168341

ORF Size: 1839 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_001168341.1](#), [NP_001161813.1](#)

RefSeq Size: 3069 bp

RefSeq ORF: 1842 bp

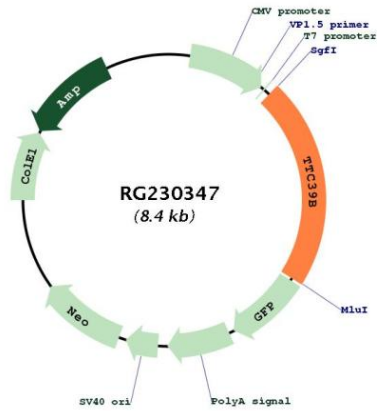
Locus ID: 158219

UniProt ID: [Q5VTQ0](#)

Cytogenetics: 9p22.3

Gene Summary: Regulates high density lipoprotein (HDL) cholesterol metabolism by promoting the ubiquitination and degradation of the oxysterols receptors LXR (NR1H2 and NR1H3). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG230347