

Product datasheet for **RG230214**

TTC39B (NM_001168342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC39B (NM_001168342) 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:

>RG230214 representing NM_001168342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACCATGCCTTGGGCTACAGTACCATTGTGGTGTTCAGGCTGTCTGACCTTCGAGCAACAGGACA
 TCCAGAACGGCATTCTGCCATGAAGGACGCTTTACAAACCTGCCAAAAATACAGGAAAAATACACAGT
 TGTAGAATCTTTCTCAAGTCTTCTTTCTAGAGGATCCCTGGAGCAACTGAGTGAAGAGGAAATGCATGCT
 GAAATCTGTTATGCCGAGTGTCTCTACAGAAAGCTGCACTCACGTTTGTGCAGGATGAAAAATGATCA
 ACTTCATCAAAGGTGGACTCAAAATTAGAACAAGTTACCAATATATAAAGAATGTCTTTCTATCTGCA
 TGAAATTCAGAAGAACAACCTTCAGCAGGAATTCTTCTATGAGTTTGAAGGGGTGTCAAGCTTGGCAGT
 GGGGCCTTAATTTGATGCTGCCCTTTACCAGCAAGGATTATCAGACTACTAGAATTTATTGGATTTT
 CTGGGAATAGGGAGTTGGCCTCTGCAGTTACGTGAAGGTGCTTCAGGAAGGAGCATGAGGCTGCACT
 GTGCTGCTTAACCATCTAGCTTTTCACTTACATCTCCCTAATACTTGGTACAGGAGAAGTGAATGTT
 GCGGAAGCAGAGCGTCTCCTGGCACCTTCTCCAGCAGTTTCCAAATGGCTCACTCGTGTGTTTTATC
 ATGCCCGAATAGAGTTGCTGAAAGGGAATCTTGAAGAGGCACAAGAAGTATTTCAAAAATGCATTTCACT
 TCAAGAAGAATGGAAACAGTTTCACCATCTCTGCTACTGGGAGCTAATGTGGATTAATGTTTTCCAACA
 AACTGGATGCAGGCATATTACTATTCAGATCTGCTTTGCAAAGAGAGTAAATGGTCCAAGGCAACTATG
 TGTTCTTGAAAGCAGCAATTTTGAGTATGCTTCCAGAGGAGGATGTAGTAGCAACGAATGAGAATGTGGT
 AACTTTATTCAGACAGGTGGACAGCTTGAAGCAGAGAATTGCCGGGAAATCTATCCCTACTGAGAAGTTT
 GCTGTGAGGAAGGCTCGGCGTTACTCCGCTCCTTACCTGCACCTGTGAAGCTCATCTTACCTGCCCTGG
 AAATGTGTATGCTGGAATGGTTTTTCAATAGTGAGCAAAAAGAAAAGACCTTTCTGAAAATCTGTTAGT
 AACTGTTGAAAAAGCTGAGGCAGCTTTACAAAGTCAAAAATTTAACAGCTTCTCTGTGGATGATGAGTGC
 TTAGTGAAGTTACTTAAAGGATGTTGCCTCAAGAACTTACAGCGCCCTTGAAGCTGAACTATGTTACA
 ATCATGTTGTGGAAGTAAAAGCTACTGAAGTATGACCACTACCTAGTGCCGTTCACTCTATTTGAATT
 GGCATCTTTGTATAAAAGCCAGGGGAAATTGACAAGGCCATAAAGTTCTAGAACTGCAAGGAACAAC
 TACAAAGATTACTCCCTGGAGTCCAGACTACACTTCAAGTTCAGGCAGCTTTCACCTCTGGAGAAAAC
 CTTCTCAGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230214 representing NM_001168342
 Red=Cloning site Green=Tags(s)

MYHALGYSTIVLQAVLTFEQDQINGISAMKDALQTCQKYRKKYTVVESFSSLLSRGSLEQLSEEEMHA
 EICYAECLLQKAALTFVQDENMINFIKGLKIRTSYQIYKECLSILHEIQKNLQEFFYEFEGGVKLG
 GAFNLMLSLLPARIIRLLEFIFGSGNRELGLLQLREGASGRSMRSALCCLTILAFHTYISLILGTGEVNV
 AEAERLLAPFLQFPNGSLVLFYHARIELLKGNEEAQEVFQKCSVQEEWKQFHHLCYWELMWINVFQQ
 NWMQAYYYSDLLCKESKWSKATYVFLKAAILSMLPEEDVVATNENVVTLFRQVDSLKQRIAGKSIPTEKF
 AVRKARRYSASLPAPVKLILPALEMMYVWNGFSIVSKRKDLSENLLVTVEKAEAAALQSQNFNSFVDDDEC
 LVKLLKGCCLNLRPLQAELCYNHVVESEKLLKYDHYLVPFTLFELASLYKSQGEIDKAIKFLETARNN
 YKDYSLESRLHFRIQAALHLWRKPSSD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001168342
ORF Size:	1551 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:	<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:	NM_001168342.2
RefSeq Size:	3151 bp
RefSeq ORF:	1554 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]