

Product datasheet for **MR218431**

Ttc39b (NM_027238) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc39b (NM_027238) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc39b
Synonyms:	1810054D07Rik; 9130422G05Rik; AI450603; AV103077; AW215585
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218431 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTCGTGGCAGCCGAGTGAATTGGACGCGGACGAGGATATCTTTGAAGATGCCTTGGAGACCA
 TCTCTAGATCTCCATCGGACATGGCCACCAGCGCTTTCACCTTTGTACCATGCGAGACCAACGGACCTC
 CAGACAGCTTGGAGCATCTGCTATGGGAAGACCTGAAGTTTCATCAGCCAAGGTGGATCTCAAGAGCGGC
 CTGGAGGAGTGTGCAGAGGCACTGAACCTATTTCTAAGTAACAAATTTAAAGATGCCCTAGAGTTGCTAC
 GTCCATGGGCCAAGGAGAGCATGTACCACGCTTGGGCTACAGCACCATTTGGTGTTCAGGCTGTCAT
 GACCTTCGAGCAGCAGGACATCCAGAATGGCATCTCTGCCATGAAGGACGCTTTACAAACCTGCCAAAA
 TACAGGAAGAAATGCACAGTTGTCGAGTCTTTCTCAAGTCTCCTTTCTCGAGGGTCCCTGGAACAACTGA
 GTGAAGAGGAGATGCATGCTGAGATCTGTTACGCCGAGTGTCTCCTACAGAAAGCAGCACTCACATTTGT
 GCAGGATGAAAAATGATCAACTTCATCAAAGGTGGACTCAAAATAGAACAAAGTTACCAATATATAAA
 GAGTGCCTTTCCATCCTGCACGTATTCAGAAGAACAAACAAGAGCAGCACTTCTTCTATGAGTTTGAGG
 GAGGAGTCAAGCTTGAACGGGGCCCTTAATTTGATGCTCTCTCTTTTACCAGCAAGAATCATCCGGTT
 ACTAGAATTTATTGGATTTCTGGAAACAGGGACCTAGGCCTTCTGCAGCTCCGGGAAGGCGCATCAGGA
 AGCAGCATGCGGTCCCGCTCTGTTGCCTTACCATCCTGGCCTTCCATACCTACATCTCCCTCATTCTCG
 GTACAGGAGAAGTGAATGTTGTGGAAGCAGAGAGTCTCCTCGCTCCGTTCCCTCAACAGTTCCCAATGG
 CTCCCTCATACTTCTATCATGCCGAATCGAGCTGCTCAAAGGGAACACTGAAAAGGCTCAAGAAACA
 TTTGAAAAGTGCATTTCAAGTCAAGAAGAGTGGAAACAGTTTACCATCTCTGTTACTGGGAATTAATGT
 GGATTCATATATACCAACAAAATTTGGATGCAGGCGTATTACTATTCAGACCTACTTTGCAAAGAGTAA
 ATGGTCCAAGGCAACATATGTGTTCTTGAAGCTGCTATTTTGGCATGCTTCCAGAGGAAGAGTGGCA
 CGGACTAAGGAGAATGTGGTGTCTCTGTTTAGACAGGTGGATGGTCTGAAGCAGAGAATCGCGGGAAAT
 CTCTCCCAACAGAGAAGTTCGCTGTGAGGAAGGCGGAGGACTCACCCCGTCAGGCGTCCCGGAAA
 GCTGGTGTGCCAGCCCTGGAAATGATGTACGTCTGGAATGGCTTTTCAATAGTGGGAAAAGGAAGGAC
 CTTTCTGAAAATCTTTGGTACTGTGGAGAAGGCTGAGGAGCATTGCAGAATCAAGACTTTACTGACT
 ACTCTGTGGATGATGAATGCTTGGTGAATTAAGTAAAGGATGCTGCCTCAAGAAGTGGAGCGGCCCTT
 GCAAGCTGAGCTGTTTCAACCAGTTGTGAAAAGTAAAAACTATTGAAGTACGACCACTATCTGGTG
 CCATTTACGCTGTTTGAAGTTGGCATTTTTGTATAAAAGCCAAGGGGAAATGACAAGGCCATCAAGTCC
 TAGAAACTGCAAGAAATAACTATAAGGATTACTCCCTGGAGTCCAGGCTACACTTCAGAATTCAGCAGC
 TCTTCATCTCTGGAAGAAACCTCCACGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218431 protein sequence
 Red=Cloning site Green=Tags(s)

MALVGSRVELDADEDIFEDALETISRSPSDMATSGFHFVPCETKRTSRQLGASAMGRPEGSSAKVDLKS
 LEECAEALNLFSLNFKDALELLRPWAKESMYHALGYSTIVVLQAVMTFEQQDIQNGISAMKDALQTCQK
 YRKKCTVVEFSLLSRGSLEQLSEEEMHAEICYAECLLQKAALTFVQDENMINIFIKGGLKIRTSYQIYK
 ECLSILHVIQKNKQEQHFFYEFEGGVKLTGAFNLMLSLLPARIIRLLEFIFGSGNRDLGLLQLREGASG
 SSMRSPCLCLTILAFHTYISLILGTGEVNVVEAESLLAPFLQFPNGSLILFYHARIELLKGNTKAQET
 FRKCSISVQEHWKFHHLCYWELMWIHIYQNWMAAYYSDLLCKESKWSKATYVFLKAAILSMLPEEEVA
 ATKENVVSLFRQVDGLKQRIAGKSLPTEKFAVRKARRYSPPSGVPGKLVMPALEMMYVWNGFSIVGKRKD
 LSENLLVTVEKAEELQNQDFTDYSVDDECLVKLLKGCCLKNLERPLQAEFCFNHVVESEKLLKYDHYLV
 PFTLFELAFLYKSQGEIDKAIKVLETARNNYKDYSLERLHFRIQAALHLWKKPSTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027238

ORF Size: 1854 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_027238.2](#), [NP_081514.1](#)

RefSeq Size: 8764 bp

RefSeq ORF: 1854 bp

Locus ID: 69863

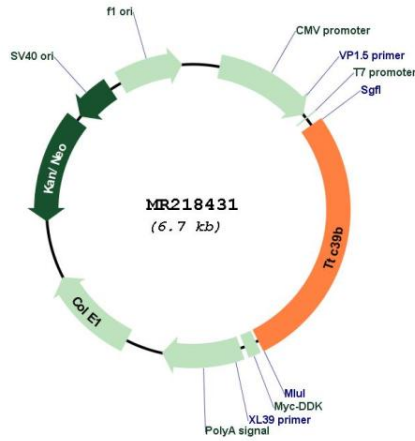
UniProt ID: [Q8BYY4](#)

Cytogenetics: 4 C3

MW: 70.3 kDa

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 MR218431