

Product datasheet for **MG216323**

Ttc38 (NM_001033337) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc38 (NM_001033337) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttc38
Synonyms:	9030019H09
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216323 representing NM_001033337
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCACTGCGAGACTGCCAGGCGTGGAAGAATGCTGGGCTCCCACTCTCAACCACAAGCAATGAAGCCT
 GCAAGCTGTTTCGATGCCACCTTGACTCAGTACGTCAAGTGGACCAATGACAAGAGTCTTGGTGGCATCGA
 GGGCTGCCTGTCAAAGCTCAGGGCAGCGGATCCAACCTTTGCCATGGGCCTTGCCATCTCTAACGGCCTT
 GTGCTCGTTGGCACGGGAACCTCCGTGGCGCTGGACAAAGACCTGGCCCTGGCTGTGAAGACCATGGTGG
 AGCTTTCCCAAACCCAGACTCTGACGCCTCGGGAGCAGCTGCATGTGTCTGCGGTGGAGATGTTTGCCAA
 GGGGAACCTCCCAAGAGCCTGTGATCTCTGGGAACAGATCCTCCGGGACCACCCGACAGACATGTTGGCC
 CTGAAGTTTTCCACGATGCCTACTTCTACCTGGGCTACCAGGAGCAGATGCGGGATTCCGTGGCTCGAG
 TTTACCCCTTTTGACGCCTGACATCCCCCTAACAGCTACGTGAAAGGCATCTATTCTTTCCGACTGAT
 GAAACCAACTTCTATGACCAGGCACAAAAGCTTGCCAAAGAGGCTTTATCTATTGAGCCAACAGATGCA
 TGGTCAGTGCACACTGTGGCCACGTACATGAAATGAGAGCCGAGATCAAAGACGGGCTGGAGTTTATGC
 AGCAATCGGAAGGTCACCTGGAAGGACTCTGATATGCTTGCTTGCCACAATTACTGGCACTGGGCCCTGTA
 CTTGATTGAAAAGGGAGACTATGAGGCCGCACTAACCTATGACAGCCACATACTCCCAAGCCTGCAG
 GCCAGTGGTACCATGCTGGACGTGGTGGACAGCTGTTCCATGCTCTACCGTCTTCAGATGGAAGGGGTGC
 CCCTTGGCCAGCGGTGGCAGACTGTTCTACCTGTGACCCAGAAGCACACCCGAGACCACATCCTCCTGTT
 CAACGATGCTCACTTCTGATGGCCTCACTGGGTGCACGGGACCTCCAGACCACCCGGGAGCTGCTGACC
 ACCCTGCAGGAGGCCAGCAAGTCCCAGGGGAGAACTGCCAGCACCAGTTGGCAAAGACGTTGGGCTGC
 CCCTGTGCCAGGCCCTCCTGGAGGCTGAGAACGAAACCTGACCGAGTCTTAGAACTCCTTTGCCAAT
 CCGATACCGAATTGTCCAGATTGGGGGCAGCAACGCCAGAGAGATGTCTTCAACCAGCTGCTGATTCAC
 GCGGCCATGACCTGCACCTCCAGTGTACACAAGAATGTAGCCCGGAGCCTTCTGATGGAGCGTGACGCCT
 TGAACCAACTCACCCCTGACGGAGCGGCTGATCCGAAGGGCGGCCGCTGTCCATCTTATGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216323 representing NM_001033337
 Red=Cloning site Green=Tags(s)

MSLRDCQAWKNAGLPLSTTSNEACKLFDATLTQYVKTNDKSLGGIEGCLSKLRAADPTFAMGLAISNGL
 VLVGTGTSVALDKDLALAVKTMVELSQTQTLTPREQLHVSAVEMFAKGNFPRACDLWEQILRDHPTDMLA
 LKFSHDAYFYLYGQEQMRDSVARVYFPWTPDIPLNSYVKGIYSFGLMETNFYDQAQKLAKAKEALSIEPTDA
 WSVHTVAHVHEMRAEIKDGLEFMQQSEGHWKDSMDLACHNYHHWALYLIEKGDYEALTIYDSHILPSLQ
 ASGTMLDVVDSCSMLYRLQMEGVPLGQRWQTVLPVTQKHTRDHILLFNDAHFLMASLGARDLQTTRELLT
 TLQEASKSPGENCQHQLAKDVGLPLCQALLEAENGNPDRVLELLLPRIYRIVQIGGSNAQRDVFNQLLIH
 AAMTCTSSVHKNVARSLLMERDALKPNSPLTERLIRRAAAVHLMQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001033337

ORF Size: 1395 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_001033337.4](#), [NP_001028509.2](#)

RefSeq Size: 3766 bp

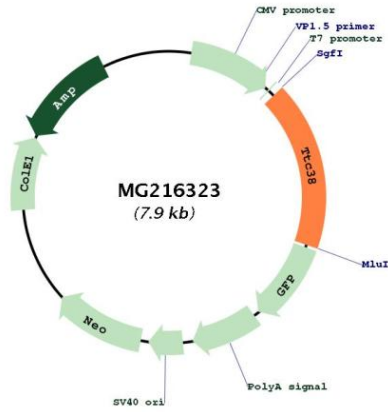
RefSeq ORF: 1398 bp

Locus ID: 239570

UniProt ID: [A3KMP2](#)

Cytogenetics: 15 E2

Product images:



Circular map for MG216323