

Product datasheet for **MR216323**

Ttc38 (NM_001033337) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc38 (NM_001033337) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc38
Synonyms:	9030019H09
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216323 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACTGCGAGACTGCCAGGCGTGGAAGAATGCTGGGCTCCCACTCTCAACCACAAGCAATGAAGCCT
 GCAAGCTGTTTCGATGCCACCTTGACTCAGTACGTCAGTGGACCAATGACAAGAGTCTTGGTGCCATCGA
 GGGCTGCCTGTCAAAGCTCAGGGCAGCGGATCCAACCTTTGCCATGGGCCTTGCCATCTCTAACGGCCTT
 GTGCTCGTTGGCACGGGAACCTCCGTGGCGCTGGACAAAGACCTGGCCCTGGCTGTGAAGACCATGGTGG
 AGCTTTCCCAAACCCAGACTCTGACGCCTCGGGAGCAGCTGCATGTGTCTGCGGTGGAGATGTTTGCCAA
 GGGGAACCTCCCAAGAGCCTGTGATCTCTGGGAACAGATCCTCCGGGACCACCCGACAGACATGTTGGCC
 CTGAAGTTTTCCACGATGCCTACTTCTACCTGGGCTACCAGGAGCAGATGCGGGATTCCGTGGCTCGAG
 TTTACCCCTTTTGACGCCTGACATCCCCCTAACAGCTACGTGAAAGGCATCTATTCTTTCGGACTGAT
 GAAACCAACTTCTATGACCAGGCACAAAAGCTTGCCAAAGAGGCTTTATCTATTGAGCCACAGATGCA
 TGGTCAGTGCACACTGTGGCCACGTACATGAAATGAGAGCCGAGATCAAAGACGGGCTGGAGTTTATGC
 AGCAATCGGAAGGTCCTGGAAGGACTCTGATATGCTTGCTTGCCACAATTACTGGCACTGGGCCCTGTA
 CTTGATTGAAAAGGGAGACTATGAGGCCGCACTAACCTATGACAGCCACATACTCCCAAGCCTGCAG
 GCCAGTGGTACCATGCTGGACGTGGTGGACAGCTGTTCCATGCTCTACCGTCTTCAGATGGAAGGGGTGC
 CCCTTGGCCAGCGGTGGCAGACTGTTCTACCTGTGACCCAGAAGCACACCCGAGACCACATCCTCCTGTT
 CAACGATGCTCACTTCTGATGGCCTCACTGGGTGCACGGGACCTCCAGACCACCCGGGAGCTGTGACC
 ACCCTGCAGGAGGCCAGCAAGTCCCAGGGGAGAACTGCCAGCACCAGTTGGCAAAGACGTTGGGCTGC
 CCCTGTGCCAGGCCCTCCTGGAGGTGAGAACGGAACCCTGACCGAGTCTTAGAACTCCTTTGCCAAT
 CCGATACCGAATTGTCCAGATTGGGGGCAGCAACGCCAGAGAGATGTCTTCAACCAGCTGCTGATTACAC
 GCGGCCATGACCTGCACCTCCAGTGTACACAAGAATGTAGCCCGAGCCTTCTGATGGAGCGTGACGCCT
 TGAACCAACTCACCCCTGACGGAGCGGCTGATCCGAAGGGCGGCCGCTGTCCATCTTATGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216323 protein sequence
 Red=Cloning site Green=Tags(s)

MSLRDCQAWKNAGLPLSTTSNEACKLFDATLTQYVKWTNDKSLGGIEGCLSKLRAADPTFAMGLAISNGL
 VLVGTGTSVALDKDLALAVKTMVELSQTQTLTPREQLHVSAVEMFAKGNFPRACDLWEQILRDHPTDMLA
 LKFSHDAYFYLYQEQRDVSARVYVFPDIPLNSYVKGISYFGLMETNFYDQAQKLAKAKEALSIEPTDA
 WSVHTVAHVHEMRAEIKDGLFEMQQSEGHWKSDMLACHNYWHWALYLIEKGDYEAALTIYDSHILPSLQ
 ASGTMLDVVDSCSMLYRLQMEGVPLGQRWQTVLPVTQKHTRDHILLFNDAHFLMASLGARDLQTTRELLT
 TLQEASKSPGENCQHQLAKDVGLPLCQALLEAENGNPDRVLELLLPYRYRIVQIGGSNAQRDVFVNLIIH
 AAMTCTSSVHKNVARSLLMERDALKPNSPLTERLIRRAAVHLMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001033337

ORF Size: 1398 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

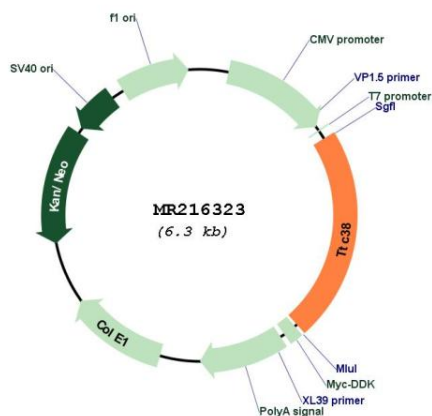
RefSeq ORF: 1398 bp

Locus ID: 239570

UniProt ID: [A3KMP2](#)

Cytogenetics: 15 E2
 MW: 52.2 kDa

Product images:



Circular map for MR216323