

Product datasheet for **MG221379**

Trim38 (NM_001029935) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim38 (NM_001029935) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim38
Synonyms:	Gm23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221379 representing NM_001029935
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTCAGACTTTAGCACGGTGAAGATAAGAAAGGTCACTTCTTGCTCCATCTGCAAGGCCATGATGT
 CTCACCCAGTGAGCATCAACTGTGGACACAGCTACTGCAATCCTGCATACAGAGCTATTATTGCAATGT
 CAGCCCAAAAACAGGGTGAAGATGTTGGGCTGCTCTTTGTGTAGTAGTCCATTTAGCTTAGAGAACCTC
 AGGCCCAACAAGGAGCTAGAAACCATAATTGATATGATCAAGGGGATGGAAGAGCAGGATCAAGACATGG
 TGTGTGAGGAACATGAAGAGAAGTTCAATCGCTTTTGTGAAGATGACGGTCAACTCCTCTGCTGGCGCTG
 TTATTGGGAAGATCGGCACAAAGGTCATACCTGGCTCATGTGAAAGATGTGTACCAGAACTACAAGGAA
 AAACCTCCAGAACCCATGACAAAATTGCGTGAACCTCAAGAGAATCACGAAGTTCAGATACATTTTCATAA
 CACACCAATAAATGCCTGGAAGGATGCTGTAGAGGATCGTCGGCAAACAATCAAGTCAAACCTCAAGAA
 TCTCCAGAGTTTCTACAGGAAGAAGAGAAGTTTATCTTTGGAGTTGAAAAATGAGGAAAAGGAGATG
 CTGGTGCAGCTGGAAGGCAGCGAGGCCAATCTACAGCAGACGTTTGAGAGAGCTCAATGCCAAATTCAGG
 AACTGGAGGCAAAATGTAGGGCTCAGCCAGAAATTGCTACAGGACGTAAAAACACTTTGAGCAGGTG
 TGAGGCCATGAAGCGAAACCCACTGAAGGCTGATCCCCTGAAGGTTACACTAAATGTAATGTGTCTGAG
 CTGTACTTCGATGTGAAGACGATATTACGACGTCACCAAGTCAGCGTGATCCTGGACCCAGCACAGCCC
 ACCTTGACCTAGCTCTGACTAAAGGTGGAAGATTAGTGACTTACAAAAGATGCCCCAGGGATCTTCAGGC
 AAGATCTTCAGCAAGAGGTTTATGGTTTACCCTGTGCTCTGGGCTGTGAGGGCTTACTTCGGGGAGA
 TATTACTTTGAAGTCTCTGTTGAGAATGCAACCAGTTGGGATTTGGGAGTCTGTGTAGAGAATGTGCACA
 GGGGCTTAAACATGAAGAAGGAGCCTGAGTCTGGATTCTGGACCATCAAGATGTCTGAAGAGGACGGCCT
 TGAAGCTTACTTCTACCCCTACTCCTCCCCTCATCTGATTGAAAAGCCCAGATTCTGGGAGTTTTTC
 CTAGACTATGAGGCTGGAGCTGTATCGTTTTACAGTGTAACTACTGGCTCTCATATCTTACCTTCCTTA
 AGGCTTCTTCCAGGATACTCTGAGGCCCTTTTTCCAGGTTTATCAATATTCTCCTTTGTTCTGCTGCTGC
 CATAAATAATCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221379 representing NM_001029935
 Red=Cloning site Green=Tags(s)

MGSDFSTVKIRKVTSCSICKAMMSHPVINCGHSHYCKSCIQSYCNVSPKTGWKMLGCPLCSSPFSLENL
 RPNKELETIIDMIKGMEEQDQDMVCEEHEEKFNRFCEDDGQLLCWRCYWEDRHKGHTLAHVKDQVYQNYKE
 KLQNTMTKLRRELQENHEVQIHFITHQINAWKDAVEDRRQTIKSNFKNLQSFLQEEEFYLRLENEEKEM
 LVQLEGSEANLQQTFFERAQCQIQELEAKCQGSQKLLQDVKNLTLRCEAMKRNPLKADPLKVHTKCNVSE
 LYFDVKTIILRRHQVSVILDPSTAHLDLALTKGGRLVYKRCPRDLQARSSAKRFYGLPCVLGCEGFTSGR
 YYFEVSVENATSWDLGVCVENVHRGFNMKKEPESGFWTIKMSEEDGLEALTSTPTPPLHLIEKPQILGVF
 LDYEAGAVSFYSVTTGSHIFTFPKASFQDTRLRPFQVYQYSPLFLPAINNQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001029935

ORF Size: 1413 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_001029935.2](#), [NP_001025106.1](#)

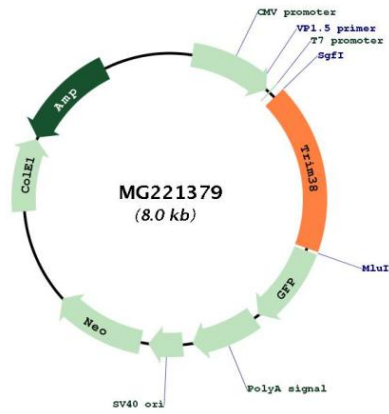
RefSeq Size: 1416 bp

RefSeq ORF: 1416 bp

Locus ID: 214158

Cytogenetics: 13 A3.1

Product images:



Circular map for MG221379