

Product datasheet for **MG208256**

Tmem117 (NM_178789) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem117 (NM_178789) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem117
Synonyms:	B930062P21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208256 representing NM_178789
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTAAAGACTTCGCTACTATTTCCAGCATCCTTGGTCTCGCATGATCGTGGCTTACCTGGTCATCT
 TCTTTAACTTCTTGATATTCGCTGAGGACCCAGTCTCTCACAGCCAAACAGAAGCTAATGTTATTGTTGT
 TGGAAACTGTTTTTCATTTGTAACAAATAAATACCCTAGAGGAGTTGGCTGGAGGATTTTGAAGGTGCTT
 CTATGGCTACTGGCCATTCTCATAGGACTGATTGCTGGCAAGTTCCTCTTCCATCAGCGTTATTTGGCC
 AGTTGCTCCGGTTAAAAATGTTCCGGGAAGACCATGGGTCGTGGATGACGATGTTCTTCCAGCACAATTCT
 CTTTCTTTCATCTTCTCTCACATCTATAACACCATCCTTCTGATGGACGGGAACATGGGAGCTTATCTC
 ATCACTGACTATATGGGCATCCGCAATGAAAGTTTCATGAACTAGCTGCTGTGGGACCTGGATGGGGG
 ACTTTGTCACAGCTTGGATGGTAACTGATATGATGCTTCAAGACAAGCCCTACCCTGACTGGGGAAATC
 CGCAAGAGCTTTCTGGAAGAAAGCAACGTGAGGATCATTTTATCTGGACCGTCTCTTACCCTGACT
 TCCGTGGTGGTGTGTCATCACGACCGACTGGATCAGCTGGGACAAACTGAACCGTGGGTTTTGCCCCA
 GTGATGAGGTCTCCCAGCCTTTCTTGCTCTTTCATCTTGGTCTTTGACCTCCTTATTGTGATGCAGGA
 CTGGGAATTTCCACACTTCATGGGCGACGTTGATGTGAATCTCCCGGGTTGCACACGCCTCACATGCAG
 TTCAAGATTTCCCTTCTTCCAGAAGATCTTCAAGGAGGAATACCGCATTACATAACAGGTAATGGTTTA
 ACTACGGAATTATCTTCTCGTCTTGTATTTGGACCTGAATATGTGGAAGAACCAGATATTTTACAAACC
 TCATGAATATGGACAGTATATGGCCCAGGGCAGAAGATATACACAGTGAAGACTCTGAAAGTTTAAAG
 GATTTAAATAGAACCAAGCTATCCTGGGAATGGCGGTCCAATCACACTAATCCTCAGACTAATAAAACCT
 ACGTTGAAGGTGACATGTTCTTACACAGCAGTTCATAGGGGCTAGCCTAGATGTCAAGTGTCTGGCTTT
 TGTTCCAAGTTTGATAGCTTTTGTGTGGTTGGATTCTTCAATTTGGTCTTTGGACGTTTTCTGAAAAAT
 GAGCAAGGGATGGAGAATCAAGATAAACTTATACTCGCATGAAAAGGAAATCCCCTCGGAACACAGCA
 AAGATATGGGAATCACCCGAGAAAAACCCAGGTCTCTGTGGAAGATCCTCTGAATGACCTGCCTTGGT
 TTGTATCAGGTCTGACTTTAACGAGATAGTCTACAAGTCTCCCATCTGACTTCAGAAAACCTTGAGCTTA
 CATCTGAAGGAATCTACCAGTGAGGTGGAGGCTGAGCAAGAGCCGGCAGCCTCTCAAAGGATGAGGACGA
 AC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208256 representing NM_178789
 Red=Cloning site Green=Tags(s)

MGKDFRYFYQHPWSRMIVAYLVIFFNLFIFAEDPVSHSQTEANVIVVGNCF SFVTNKYPRGVGWRIKVL
 LWLLAILIGLIAGKFLFHQRLFGQLRLKMFREDHGSWMTMFFSTILFLFIFSHIYNTILLMDGNMGAYL
 ITDYMGI RNESFMKLA AVGTWMGDFVTAWMVTDMMLQDKPYPDWGKSARAFWKKGNVRIILFWTVLFTLT
 SVVVLVITTDWISWDKLNRFPSDEVSRFLASFILVFDLLIVMQDWEFPHFMGDVDVNLPLGHTPHMQ
 FKIPFFQKIFKEEYRIHITGKWFNYGIIIFLVLILDNLNWKQIFYPHEYGYIGPGQKIYVKDSESLK
 DLNRTKLSWEWRSNHTNPQTNKYVEGDMFLHSRFIGASLDVKCLAFVPSLIAFVWFGFFIWFGRFLKN
 EQGMENQDKTYTRMKRSPSEHSKDMGITRENTQVSVEDPLNDPALVCIRSDFNEIVYKSSHLTSENLSL
 HLKESTSEVEAEQEPAASQRMRTN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_178789
ORF Size:	1542 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_178789.4 , NP_848904.1
RefSeq Size:	2781 bp
RefSeq ORF:	1545 bp
Locus ID:	320709
UniProt ID:	Q8BH18
Cytogenetics:	15 E3
Gene Summary:	Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]