

Product datasheet for **MG215039**

Tmem104 (NM_001033393) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Tmem104
Synonyms:	C630005D06Rik; mFLJ00021
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215039 representing NM_001033393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGGCGAGATCACAGAGACCGGAGAGCTCTATTCTCCTTATGTGGGCTGGTGTACATGTTAACC
 TCATCGTGGGCACAGGTGCGCTCACCATGCCAAGGCCTTTGCCACC CGCGGGTGGCTCGTCAGCCTCGT
 TCTGCTGGTATTCTAGGCTTCATGAGCTTTGTGACAACCACCTTTGCGATGGAAGCCATGGCTGCAGCC
 AATGCCAGCTCCGCTGGAAGAGGATGGAGACCCACAAGGAAGAGGATGACGAAGACTCGTCCACAGCCT
 CAGACAGTGACCTCCTCAGCCAAGACAACACGAGAGGGCAGAGAAACGCCCATCCTGTCTGTGCAGAG
 ACGCTCATCTGCCAACCTTTTGGAAATCACAGACCGGGTGGAAATGGGACAGATGGCTTCCATGTTCTTC
 AATAAAGTGGGGTCAACTTGTCTATTTCTGCATCATTACTTACCTGTATGGAGACCTCGCCATCTACG
 CGGCCGCGGTGCCGTGCCCTCATGCAGGTGACCTGCAGCGTCTCTGAAATGACTCTTGCAGCGTGGAA
 TACAGACGCCAGATACAACGACTGATCTGTGCTGGGCCCCCTGCGCCGGTGGATGTCTACCGAATC
 TATCTGGCCATCTTACCGTCCCTTGGCCCCGTTACCTTCTTTGATGTCCAGAAGACTAAGTACCTGC
 AGATCTTGACCTCTATGATGAGATGGATCGCCTTTGCCATCATGATTGTGCTGGCCCTGGTGCATCGG
 GAAAGGACAAGGAGAGGGGACCCGCCCTAGCCAACCTTTGGGGTCCAGAACCTGTTTGGGGTGTGT
 GTCTACTCGTTCATGTGCCAACACTCCCTGCCGTCCCTCATCACTCCCATCTCCTCCAAGCGCCACATCA
 CGCGGCTGCTGTTCTGGACTACGCACTGATCCTGGCCTTCTACGGCTCCTCTCCTTACGGCTATCTT
 CTGCTTCCGTGGGACAGCCTCATGGACATGTACACCCTCAACTTCGCGAGGTGTGACGTCGTGGCCTT
 GCTGCAGTCCGGTCTTTCTGGGCTCTTCCCTGTGTTACCATCAGCACCAACTTCCCATCATCGCGG
 TGACCTGCGCAACAACGGAAGACGCTTCCACCGTGAAGGTGGCACCTACCCATGGGTGGTAGACCG
 AGTGGTGTCCCCACGATCACCTGGTGCCTCCATTCTGGTGGCCTTCTGCACCCATGACCTGGAGTCC
 CTGGTGGCCATTACAGGAGCCTATGCGGGCACCAGCATCCAGTACGTATCCCTGCCTTCTGGTGTACC
 TCTGCCGAAGGACACCCAGCTGACCTTTGGCTATGGAAGTGTCAACAAGCATAGGTCCCGTTCGCCCA
 CACCTTCTGGGTGGCCTTTGTGCTGCTGTGGGCTTCTCCTGCTTCTTTGTACGGCCTACATCGTC
 CTAAGGAGACCCAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG215039 representing NM_001033393
 Red=Cloning site Green=Tags(s)

MAGEITETGEL YSPYVGLVYMFNLI VGTGALTMPKAFATAGWL VSLVLLVFVGFMSFVTTTFAMEAMAAA
 NAQLRWKRMETHKEEDEDSS TASDSDL SQDNYERA EKRPILSVQRRSSANLFEITDRVEMGQMASMFF
 NKVGVNLFYFCIIITYLYGDLAIYAAVPVSLMQVTCVSVGNDSCSVDTDARYNDTDL CWGPLRRVDVYRI
 YLAIFTVLLGPFTFFDVQKTKYLQILTSMRWIAFAIMIVLALVRIGKGQGEHPPLANFLGVQNLFGVC
 VYSFMCQHSPLSITPISSKRHITRLLFLDYALILAFYGLLSFTAIFCFRGLSMDMYTLNFA RCDVVL
 AAVRFFLGLFPVFTISTNFPPIAVTLRNNWKTLFHREGGTYPWVDRVVFPTITLVPPILVAFCTHDLES
 LVAITGAYAGTGIQYVIPAFLLVYLCRKDTQLTFYGTVNKHRSPFRHTFWVAFVLLWAFSCFFVVTAYIV
 LKETQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001033393

ORF Size: 1488 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.

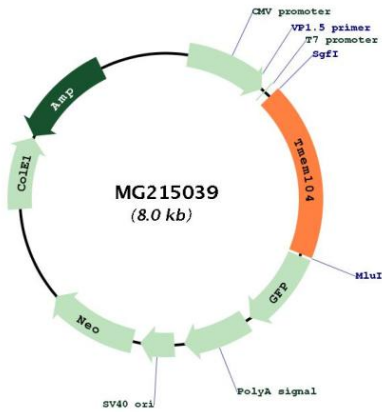
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001033393.2](#), [NP_001028565.1](#)

RefSeq Size: 4583 bp

RefSeq ORF: 1491 bp
 Locus ID: 320534
 UniProt ID: [Q3TB48](#)
 Cytogenetics: 11 E2

Product images:



Circular map for MG215039