

Product datasheet for **MG214217**

Tmem248 (NM_001081394) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem248 (NM_001081394) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem248
Synonyms: 0610007L01Rik; A930023A16Rik; AW557951; G430067H08Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214217 representing NM_001081394
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGTTTCAGTATCAACCCCTGGAGAACCCTGAAGCTGTACATCAGCAGCCGGCCACCCTTGGTGGTTTTTA
 TGATCAGTGTGAGCGCTATGGCCATCGCCTTCTCACCCCTGGGCTACTTCTTCAAGATCAAGGAGATTAA
 GTCCCCAGAAATGGCTGAGGATTGGAATACTTTCTGCTCCGGTTTGATGATTTGGACTTGTGTATCA
 GAAAACGAGACACTGAAGCATCTCTCAACGATACCACCACACCAGAGAGACCATGACCGTCGGGCAGG
 CCAGATCGTCTACCCAGCCGCCAGTCCCTGGAGGAGTCAGGCCCATCAATATTTTCAGTGGCCATTAC
 CTTGACCTTGGACCCTCTCAAGCCCTTTGGAGGGTACTCTCGAAATGTTACACACCTGTACTCCACCATC
 CTGGGCATCAGATTGGATTGTCAGGCAGGGAAGCCACGAGGAGATCAACATCACCTTCCACCCTGCCTG
 CTGCCTGGAACGCCGATGACTGTGCCCTCCATGGCCACTGTGAGCAGGCGGTGTTACAGCATGCATGAC
 CCTCACAGCTGCCCGGAGTCTTCCCTGTACCCTTCCAGCCACCTCACTGTATCCCCGACACATACAGC
 AACGCCACCCTCTGGTACAAGATCTTCAAACTGCCAGAGATGCCAACACGAAATATGCTCAAGACTACA
 ATCCTTTCTGGTGTATAAGGGTGCCATTGGGAAAGTCTACCATGCTTTAAATCCCAAACCTACTGTTGT
 GTTCCAGATGACGACCGCTCATTAATAAACCTGCATCTCATGCACACCAGTTACTTCTTTTCGTGATG
 GTGATAACGATGTTCTGCTATGCAGTCATCAAAGGCAGACCCAGCAAACCTGCGGCAGAGCAATCCTGAAT
 TTTGCCCTGAGAAGGTGGCTCTGGCTGACGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214217 representing NM_001081394
 Red=Cloning site Green=Tags(s)

MFSINPLENLKLYISSRPLVVFMISSVSAMAI AFLTLGYFFKIKEIKSPEMAEDWNTFLLRFDDLDCVSV
 ENETLKHL SNTTTP ESTMTVGQARSSTQPPQSLEESGPINISVAITL TLDPLKPFGGYSRNVTHLYSTI
 LGHQIGLSGREAEHEEINITFTLPAAWNADDCALHGHCEQAVFTACMTLTAAPGVFPVTVQPPHCIPDYS
 NATLWYKIFTTARDANTKYAQDYNPFWCYKGAIGKVYHALNPKLTVVVPDDDRSLINLHLMHTSYFLFVM
 VITMFCYAVIKGRPSKLRQSNPEFCPEKVALADA

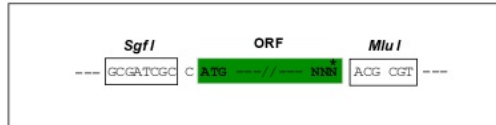
TRTRPLE - GFP Tag - V

Restriction Sites:

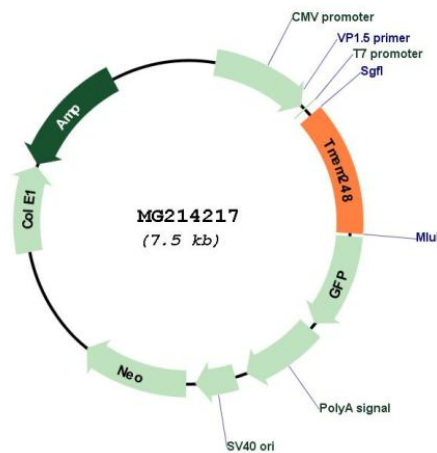
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001081394

ORF Size: 942 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_001081394.1 , NP_001074863.1
RefSeq Size:	3607 bp
RefSeq ORF:	945 bp
Locus ID:	71667
UniProt ID:	Q3TBN1
Cytogenetics:	5 G1.3