

## Product datasheet for MR214217

### Tmem248 (NM\_001081394) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem248 (NM\_001081394) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem248  
**Synonyms:** 0610007L01Rik; A930023A16Rik; AW557951; G430067H08Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR214217 representing NM\_001081394  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTTCAGTATCAACCCCTGGAGAACCTGAAGCTGTACATCAGCAGCCGGCCGCTTGGTGGTTTTTA  
TGATCAGTGTGAGCGCCATGGCCATCGCCTTCTCACCCCTGGGCTACTTCTTCAAGATCAAGGAGATTAA  
GTCCCCAGAAATGGCTGAGGATTGGAATACTTTCTGCTCCGGTTAATGATTTGGACTTGTGTATCA  
GAAAACGAGACTGAAGCATCTCTCAACGATACCACCACACCAGAGAGACCATGACCGTCGGGCAGG  
CCAGATCGTCTACCCAGCCGCCAGTCCCTGGAGGAGTCAGGCCCATCAATATTTTCAGTGGCCATTAC  
CTTGACCTTGGACCTCTCAAGCCCTTTGGAGGGTACTCTCGAAATGTTACACACCTGTACTCCACCATC  
CTCGGGCATCAGATTGGATTGTCAGGCAGGGAAGCCACGAGGAGATCAACATCACCTTCCACCTGCCTG  
CTGCCTGGAACGCCGATGACTGTGCCCTCCATGGCCACTGTGAGCAGGCGGTGTTACAGCATGCATGAC  
CCTCACAGCTGCCCGGAGTCTTCCCCGTCACTGTTCAGCCACCTCACTGTATCCCCGACACATACAGC  
AACGCCACGCTCTGGTACAAGATCTTCACAACTGCCAGAGATGCCAACACGAAATATGCTCAAGACTACA  
ATCCTTTCTGGTGTATAAGGGTGCCATTGGGAAAGTCTACCATGCTTTAAATCCCAAACCTACTGTTGT  
TGTTCCAGATGACGACCGCTCATTAATAAACCTGCATCTCATGCACACCAGTTACTTCTTTTCGTGATG  
GTGATAACGATGTTCTGCTATGCAGTCATCAAAGGCAGACCCAGCAAACCTGCGGCAGAGCAATCCTGAAT  
TTTGCCCTGAGAAGGTGGCTCTGGCTGACGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214217 representing NM\_001081394  
Red=Cloning site Green=Tags(s)

MFSINPLENLKLYISSRPPLVVFMISSVSAMAI AFLTLGYFFKIKEIKSPEMAEDWNTFLLRFNDLDCVS  
 ENETLKHL SNTTTP ESTMTVGQARSSTQPPQSLEESGPINISVAITL TLDPLKPFGGYSRNVTHLYSTI  
 LGHQIGLSGREAEHEEINITFTLPAAWNADDCALHGHCEQAVFTACMTLTAAPGVFPVTVQPPHCIPDTYS  
 NATLWYKIFTTARDANTKYAQDYNPFWCYKGAIGKVYHALNPKLTVVVPDDDRSLINLHLMHTSYFLFVM  
 VITMFCYAVIKGRPSKLRQSNPEFCPEKVALADA

TRTRPLEQKLISEEDLAANDILDYKDDDDKVK

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9022\\_a06.zip](https://cdn.origene.com/chromatograms/mm9022_a06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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:**

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

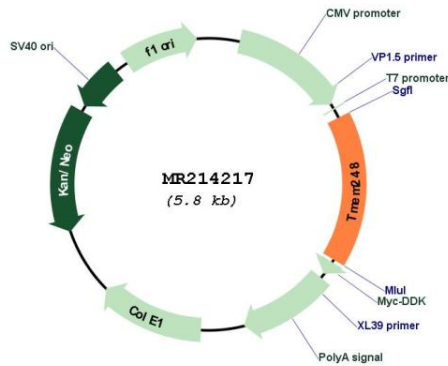
**Locus ID:** 71667

**UniProt ID:** [Q3TBN1](#)

**Cytogenetics:** 5 G1.3

**MW:** 35.5 kDa

**Product images:**



Circular map for MR214217