

## Product datasheet for MR229188

### Tmem248 (NM\_027854) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem248 (NM_027854) 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:	>MR229188 representing NM_027854 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCAGTATCAACCCCTGGAGAACCTGAAGCTGTACATCAGCAGCCGGCCGCTTGGTGGTTTTTA  
TGATCAGTGTGAGCGCCATGGCCATCGCCTTCTCACCCTGGGCTACTTCTTCAAGATCAAGGAGATTAA  
GTCCCCAGAAATGGCTGAGGATTGGAATACTTTCTGCTCCGGTTAATGATTTGGACTTGTGTATCA  
GAAAACGAGACTGAAGCATCTCTCAACGATACCACCACACCAGAGAGACCATGACCGTCGGGCAGG  
CCAGATCGTCTACCCAGCCGCCAGTCCCTGGAGGAGTCAAGCCCATCAATATTTTCAGTGGCCATTAC  
CTTGACCTTGGACCTCTCAAGCCCTTGGAGGGTACTCTCGAAATGTTACACACCTGTACTCCACCATC  
CTCGGGCATCAGATTGGATTGTCAGGCAGGGAAGCCACGAGGAGATCAACATCACCTTCCACCCTGCCTG  
CTGCCTGGAACGCCGATGACTGTGCCCTCCATGGCCACTGTGAGCAGGCGGTGTTACAGCATGCATGAC  
CCTCACAGCTGCCCGGAGTCTCCCCGTCACTGTTACGCCACCTCACTGTATCCCCGACACATACAGC  
AACGCCACGCTCTGGTACAAGATCTTCAAACTGCCAGAGATGCCAACACGAAATATGCTCAAGACTACA  
ATCCTTTCTGGTGTATAAGGGTGCCATTGGGAAAGTCTACCATGCTTTAAATCCCAAACCTACTGTTGT  
TGTTCCAGATGACGACCGCTCATTAATAAACCTGCATCTCATGCACACCAGTTACTTCTTTTCGTGATG  
GTGATAACGATGTTCTGCTATGCAGTCATCAAAGGCAGACCCAGCAAACCTGCGGCAGAGCAATCCTGAAT  
TTTGCCCTGAGAAGGTGGCTCTGGCTGACGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229188 representing NM\_027854  
 Red=Cloning site Green=Tags(s)

MFSINPLENLKLYISSRPLVVFMISSVSAMAI AFLTLGYFFKIKEIKSPEMAEDWNTFLLRFNDLDCVSENETLKHLSNDTTTPESTMTVGQARSSTQPPQSLEESGPINISVAITLTLDPKPFGGYSRNVTHLYSTILGHQIGLSGREAEHEEINITFTLPAAWNADDCALHGHCEQAVFTACMTLTAAPGVFPVTVQPPHCIPDTYSNATLWYKIFTTARDANTKYAQDYNPFWCYKGAIGKVYHALNPKLTVVVPDDDRSLINLHLMHTSYFLFVMVITMFCYAVIKGRPSKLRQSNPEFCPEKVALADA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_027854

**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\\_027854.1](#), [NP\\_082130.1](#)

**RefSeq Size:** 3669 bp

**RefSeq ORF:** 945 bp

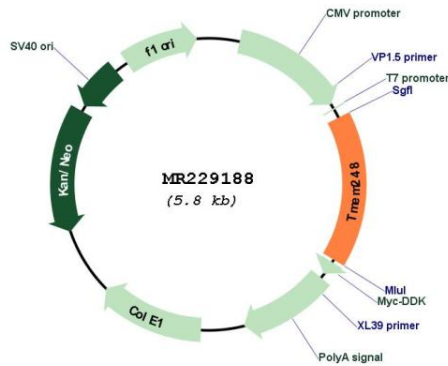
**Locus ID:** 71667

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

**Cytogenetics:** 5 G1.3

**MW:** 35 kDa

**Product images:**



Circular map for MR229188