

Product datasheet for **MR210103**

Tmem168 (NM_028990) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem168 (NM_028990) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem168
Synonyms:	5730526F17Rik; 8430437G11Rik; AI462344; AI504145
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210103 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGTGCAGATCACTGCGATACTGTGTTAGTCATTGTCTCTATCTAGCAATGACTAGGCTGGAAGAAGTAA
ATAGAGAAGTGAACATGCATTCCCTCCGTGCGGTACCTCGCTATCTAGCCAGGATCAACTTACTTGTGGC
CATATGTTTAGGCCTTTATGTAAGATGGGAAAAACAGCAAATTCCTTAATTTTGGTGATTTTTATCCTC
GGCCTCTTTGTTCTTGGGATCGCCAGCATACTCTACTATTACTTTTCAATGGAAGCAGCCAGTTAAAGTC
TCTCCAATCTCTGGTTTGGATTCTGCTTGGCCTTCTGTGTTTTCTTGATAATTCATCCTTTAAAAGTGA
TGTGAAAGAAGAAACAACCAAATATTTGCTTCTGACATCTATAGTTTTAAGGATATTGTGTGCTTTGGTG
GAGAGAATTTCTGGATATGTCCGCCATCGGCCTACTTTACTAACCACAGTGGAGTTTCTGGAACCTGTTG
GGTTTGCCATCGCCAGCACAACATGTTGGTGGAGAAGTCTCTGAGTGTTATTTTGTGTTATGGCTTT
GGCCATGCTCATTATCGACCTGAGAATGAAGTCTTTTCTAGCTATTCCAACTTAATCATTTTTTTCAGTA
TTGTTATTTTTCTTTCATTGAAAACCTCCCAAAATCCAATTGCTTTTGCATGTTTTTTTATTTGCTCGG
TAACTGATCCTTTTCTTGACATTTATTTAGTGGACTTTCAGTAACTGAGAGGTGAAAACCTTTTCTGCA
TCGTGGGAGAATTTGAGGAGACTTTCTGTGCTTTTCACTGCAATGATTGAGCTTACATTCTTCATCCTT
TCAGCATTTAACTTAGAGACACTCATCTCTGGTATTTTGTGATACCAGGTTTTTCCATTTTTCGGATTTT
TCTGGATGATTTGCCATATATTTTTCTTTAACTCTTTGGGGATTTTCACTAAGTTGAATGACTGCCA
TAAAGTGTATATCAACCACAGGGCAGATAACAATAGCCTTGACAGAATCATGGCATCCAAAGGGATGCGT
CATTTTTGCTTAATTTTCCAGAGCAGTTAGTTTTTTTAGTCTTCTTGAACGGCAATTTTGGGAGCAGTCT
CTGGCAGCCAAACCAATGGAATCTTCTTGACATGTTTTCTCATTGTCTTGGCCGCTGGAGTCCATGGCTCA
TGGGCTCTTCCATGAACTTGGCAACTGCTTAGGGGGAACCTCTGTTGGATACGCTATTGTGATCCCTACC
AACTTCTGCAGCCCTGATGGCCAGCCAACACTGCTTCCGCCAGAACATGTACAGGAGTTAAATTTGAGGT
CTACTGGCATGCTCAATGCCATCCAAAGATTTTTTGCATATCATATGATTGAGACCTATGGATGTGACTA
TTCCACAAGTGGGCTGTCTTTGATACTCTGCATTCCAACTGAAAGCTTTCCTTGAACCTCGGACAGTG
GATGGACCTAGACATGATACATATGTTTTATATTACAGTGGACACACCCATGGCTCAGGAGAGTGGGCC
TCGCAGGTGGAGACATACTTCGCCTTGATACGCTTTTAGAATGGTGGAGAGAGAAGAACGGTTCCTTCTG
TTCCCGGCTTATCATCATCTTAGACAGCGAGAATCAACCCCATGGGTGAAAGAAGTGAAGAAGATTAAT
GACCAGTATGTTGCAGTTCAGGGAGCTGAGCTGGCGAAGACAGTAGATATTGAAGAAGCTGACCCGCCAC
AGCTGGGTGACTTTACTAGAGACTGGGTAGAATACAACCTGTAACCTCCACAACAACATCTGCTGGACTGA
GAAGGGGCGCACAGTGAGGGCCGTGATGGCGTGTCAAAGCGCTGGAGCGACTACACGCTGCACCTGCCG
ACAGGAAGCGATGTGGCCAAGCACTGGATGTTACACTTCCCTCGGGTTACGTATCCGTTAGTGCACCTGG
CCAACCTGGTTATGTGGCCTGAACCTCTTTGGGTCTGCAAAGCTTGTGTTAGGTGCTTGAAGAAGTTAAA
AATGAGTTGGTTTCTTCTACAGTGTGGACACAGGACAAGGCTTTAACTTGTCAAATCTACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210103 protein sequence
Red=Cloning site Green=Tags(s)

MCRSLRYCVSHCLYLAMTRLEEVNREVMHSSVRYLGYLARINLLVAICLGLYVRWEKTANSLILVIFIL
 GLFVLGIAISILYYFYSMEAASLSNLWFGFLGLLCLDNSSFKSDVKEETTKYLLLSIVLRILCALV
 ERISGYVRHRPTLLTTVEFLELVGFIAIASTTMLVEKLSVILLVMALMLIIDLRMKSFLAIPNLIIFSV
 LLFFSSLETPQNPIAFACFFICLVDPFLDIYFSGLSVTERWKPFLHRGRICRRLSVLFTAMIELTFFIL
 SAFKLRDTHLWYFVIPGFSIFGFFWMICHIIFLLLTWGFHTKLNCHKVYINHRADNNSLDRIMASKGMR
 HFCLISEQLVFFSLLATAILGAVSWQPTNGIFLSMFLIVLPESMAHGLFHELGNCLGGTSVGYAIVPT
 NFCSPDQPTLLPPEHVQELNLRSTGMLNAIQRFAYHMIETYGCDYSTSGLSFDTLHSLKAFLELRV
 DGPRHDTYVLYSGHTHSGEWALAGGDILRLDTLLEWWREKNGSFC SRLIIILDSENSTPWVKEVRKIN
 DQYVAVQGAELAKTVDIEEADPPQLGDFTRDWEYNCNSTNNICWTEKGRVRAVYGVSKRWSDYTLHLP
 TGSDVAKHWMHLFPRVYPLVHLANWLCGLNLFWVCKACFRCLKRLKMSWFLPTVLDTGQGFKLKVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028990

ORF Size: 2094 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_028990.5](#)

RefSeq Size: 4548 bp

RefSeq ORF: 2094 bp

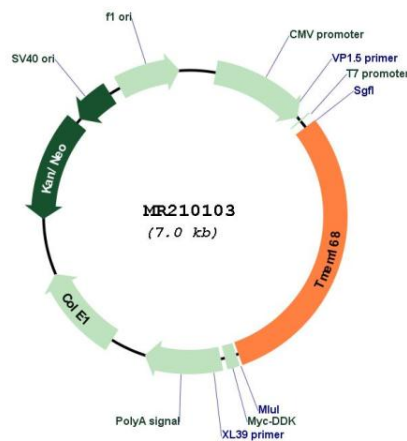
Locus ID: 101118

UniProt ID: [Q91VX9](#)

Cytogenetics: 6 A1

MW: 79.7 kDa

Product images:



Circular map for MR210103