

Product datasheet for **MR215039**

Tmem104 (NM_001033393) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem104 (NM_001033393) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem104
Synonyms:	C630005D06Rik; mFLJ00021
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215039 representing NM_001033393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGGCGAGATCACAGAGACCGGAGAGCTCTATTCTCCTTATGTGCGGCTGGTGTACATGTTTAAAC
 TCATCGTGGGCACAGGTGCGCTCACCATGCCCAAGGCCTTTGCCACCGCCGGGTGGCTCGTCAGCCTCGT
 TCTGCTGGTATTCTGAGGCTTTCATGAGCTTTGTGACAACCACTTTGCGATGGAAGCCATGGCTGCAGCC
 AATGCCAGCTCCGCTGGAAGAGGATGGAGACCCACAAGGAAGAGGATGACGAAGACTCGTCCACAGCCT
 CAGACAGTGACCTCCTCAGCCAAGACAACACGAGAGGGCAGAGAAACGCCCATCCTGTCTGTGCAGAG
 ACGCTCATCTGCCAACCTTTTTGAAATCACAGACCGGGTGGAAATGGACAGATGGCTTCCATGTTCTTC
 AATAAAGTGGGGTCAACTTGTCTATTCTGCATCATTACTTACCTGTATGGAGACCTCGCCATCTACG
 CGGCCCGGTGCCGTGTCCCTCATGCAGGTGACCTGCAGCGTCTCTGAAATGACTCTTGCGGCGTGGAA
 TACAGACGCCAGATAACAAGACTGATCTGTGCTGGGCCCCCTGCGCCGGGTGGATGTCTACCGAATC
 TATCTGGCCATCTTACCGTCTTCTTGGCCCGTTCACCTTCTTTGATGTCCAGAAGACTAAGTACCTGC
 AGATCTTGACCTCTATGATGAGATGGATCGCCTTTGCCATCATGATTGTGCTGGCCCTGGTGCATCGG
 GAAAGGACAAGGAGAGGGGCACCCGCCCTAGCCAACCTCTTGGGGTCCAGAACCTGTTGGGGTGTGT
 GTCTACTCGTTTATGTGCCAACACTCCCTGCCGTCCCTCATCACTCCCATCTCCTCCAAGCGCCACATCA
 CGCGGCTGCTGTTCTGGACTACGACTGATCCTGGCCTTCTACGGCCTCCTCTCCTTACGGCTATCTT
 CTGCTCCGTGGGACAGCCTCATGGACATGTACACCTCAACTTCGCGAGGTGTGACGTGTGGCCTT
 GCTGCAGTCCGGTCTTCTGGGCTCTCCCTGTGTTACCATCAGCACTTCCCATCATCGCGG
 TGACCTGCGCAACAACGGAAGACGCTTCCACCGTGAAGTGGCACCTACCATGGGTGGTAGACCG
 AGTGGTGTTCACACGATCACCTGGTGCCTCCATTCTGGTGGCCTTCTGCACCCATGACCTGGAGTCC
 CTGGTGGCCATTACAGGAGCCTATGCGGGCACCGCATCCAGTACGTATCCCTGCCTTCTGGTGTACC
 TCTGCCGCAAGGACCCAGCTGACCTTTGGTATGGAAGTGTCAACAAGCATAGGTCCCGTTCGCCCA
 CACCTTCTGGGTGGCCTTGTGCTGTGGGCTTCTCCTGCTTCTTGTGTCAGGCCTACATCGTC
 CTAAGGAGACCCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215039 representing NM_001033393
 Red=Cloning site Green=Tags(s)

MAGEITETGELYSPYVGLVYMFNLIIVGTGALTMPKAFATAGWLVSLVLLVFGVMSFVTTTFAMEAMAAA
 NAQLRWKRMETHKEEDEDSSASDSDLLSQDNYERAERKRPILSVQRRSSANLFEITDRVEMGQMASMFF
 NKVGVNLFYFCIITYLYGDLAIYAAVPVSLMQVTCSVSGNDSCGVDTDARYNDTDLCWGPLRRVDYRI
 YLAIFTVLLGPFTFFDVQKTKYLQILTSMMRWIAFAIMI VLALVRIKGQGEHPPLANFLGVQNLFGVC
 VYSFMCQHSLPSLITPISSKRHITRLLFLDYALILAFYGLLSFTAIFCFRGSMDMYTLNLFARCDVVGL
 AAVRFFLGLFPVFTISTNFPPIAVTLRNNWKTLFHREGGTYPWVDRVVFPTITLVPPILVAFCTHDLES
 LVAITGAYAGTGIQYVIPAFVLVYLCRKDTQLTFGYGTVNKHRSPFRHTFWAFVLLWAFSCFFVTAIYIV
 LKETQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_e04.zip

Restriction Sites:

Sgfl-Mlul

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.

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

RefSeq Size: 4583 bp

RefSeq ORF: 1491 bp

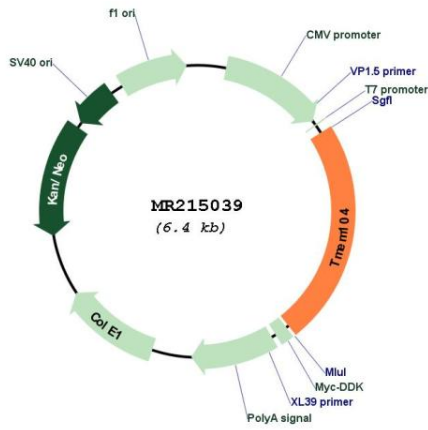
Locus ID: 320534

UniProt ID: [Q3TB48](#)

Cytogenetics: 11 E2

MW: 56.3 kDa

Product images:



Circular map for MR215039