

Product datasheet for **RR216788**

Tmem104 (NM_001191655) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem104 (NM_001191655) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem104
Synonyms:	RGD1307953
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR216788 representing NM_001191655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCGAGATCACAGAGACGGGGAGCTCTATTCTCCTTATGTCGGGCTGGTGTACATGTTTAAAC
 TCATTGTGGGCACAGGCGCACTCACCATGCCCAAGGCCTTTGCCACTGCCGGGTGGCTGGTCAGCCATCAT
 CCTGCTGGTATTCTGAGGCTTTCATGAGCTTTGTGACGACCACCTTTGCGATGGAGGCCATGGCCGACGCC
 AACGCCAGCTCCGCTGGAAGAGGATGGAGATCCACAAGGAAGAGGATGACGAAGACTCCTCCACAGCCT
 CAGACAGTGACCTCCTCAGCCAAGACAACACGAGAGGGCAGAGAAACGCCCATCCTGTCTGTGCAGAG
 ACGCTCATCAGCCAGCCTGTTTGAATCACAGAGCGGGTGGAAATGGACAGATGGCTTCCATGTTCTTC
 AATAAAGTGGGGTCAACCTGTTCTATTCTGCATCATTACTTACCTGTACGGAGACCTCGCCATCTACG
 CGGCAGCTGTGCCGTGTCCCTCATGCAGGTGACCTGCAGTGTCTCTGAAATGACTCCTCGGGCTGGA
 TACAGACGCCAAATACAACGACTGACCTGTGCTGGGGCCCTGCGCCGGGTGGATGTCTACCGATT
 TATCTGGCCATCTTACCGTCTCCTTGGTCCGTTACCTTCTTTGATGTCCAGAAGACCAAGTACCTGC
 AGATCCTGACCTCCCTGATGAGATGGATCGCCTTCGCCATCATGATCGTCTGGCCCTCGTGCATCGG
 GAAAGGACAAGGAGAGGGGCACCCGCCCTCGCCAACCTCTTGGGCGTCCAGAACCTGTTCCGGGTGTGT
 GTCTACTCTTTTATGTGCCAGCACTCCCTGCCATCCCTCATACCCCCATCTCCTCCAAGCGCCACATCA
 CGCGGCTGCTGTTCTGGACTACGATTGATCCTGGCCTTCTACGGACTCCTCTCCTTACGGCCATCTT
 CTGCTTCCGTGGCAGACCTCATGGACATGTACACCTCAACTTTGCCAGGTGTGACGTGTGGCCTG
 GCAGCTGTCCGGTCTTTCTGGGCTCTCCCCGTGTTACCATCAGACCAACTCCCCATCATCGCGG
 TGACCTGCGCAACAACGGAAACACTTCCACCGTGAAGTGGCACCTACCCATGGGTGGTAGACCG
 CGTGGTGTCCCCACAATCACCTGGTGGCCCCATTCTGGTGGCCTTCTGCACACATGACCTGGAGTCC
 CTGGTGGCCATTACAGGAGCCTACGCGGCACTGGCATCCAGTATGTCATCCCCGCTTCTGTTGTCC
 TCTGCCGAAGGACCCAGCTGACTTTTCGGCTCCGGAACCATCAACAAGCATAGGTCCCGTTCGGCCA
 CACCTTCTGGGTGGCCTTTGTGCTGCTATGGGCTTCTCCTGCTTCTTTGTACAGCCTACATCGTC
 CTAAGGAGACCCAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216788 representing NM_001191655
 Red=Cloning site Green=Tags(s)

MAGEITETGELYSPYVGLVYMFNLIIVGTGALTMPKAFATAGWLVSILLVFGFMSFVTTTFAMEAMAAA
 NAQLRWKRMEIHKEEDEDSSASDSDLSDQNYERAERPIILSVQRRSSASLFEITERVEMGQMAMSMFF
 NKVGVNLFYFCIITYLYGDLAIYAAVPVSLMQVTCVSVGNDSCGVDTDAKYNDTDLCWGPLRRVDVYRI
 YLAIFTVLLGPFTHFDVQKTKYLQILTSLMRWIAFAIMIVLALVRIGKGQEGHPPLANFLGVQNLFGVC
 VYSFMCQHSPLITPISKRHITRLLFDYALILAFYGLLSFTAIFCFRGDSLMDMYTLNFARCDVVGL
 AAVRFFLGLFPVFTISTNFPPIIAVTLRNNWKTFLHREGGTYPWVDRVVFPTITLVPPILVAFCTHDLES
 LVAITGAYAGTIQYVIPAFVFLCRKDTQLTFGSGTINKHRSPFGHTFWAFVLLWAFSCFFVTAIYV
 LKETQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

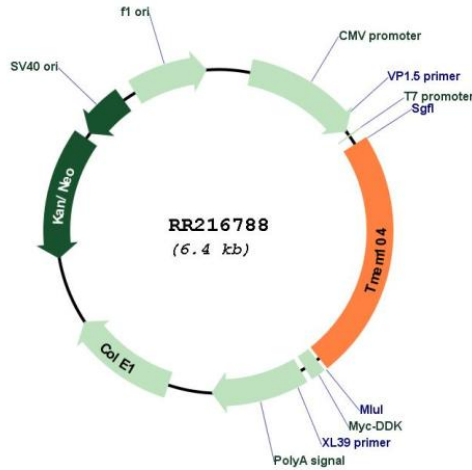
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001191655

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_001191655.1](#), [NP_001178584.1](#)

RefSeq Size: 1976 bp

RefSeq ORF: 1491 bp

Locus ID: 303670

Cytogenetics: 10q32.1

MW: 55.6 kDa