

Product datasheet for **RR209584**

Tmem209 (NM_001014055) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem209 (NM_001014055) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem209
Synonyms:	RGD1309682
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209584 representing NM_001014055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGCAAGGAGAAGTAAGCCCCAGTCTTCCCTTATTGATAGAACCATCAGGATGAGAAAGGAAACAG
 AATCTAGGAAAGTGGTTTTAGCCTGGGGACTTCTAAATGTATCCATGGCTGGAATGATATATACTGAAAT
 GACTGGAAGTTAATTAGTACATATTATAATGTGACATACTGGCCCTCTGGTATATTGAACTCGCCCTC
 GCCTCACTCTTCAGTCTTAATGCCTTGTGTTGATTTTGGAGATACTTCAAATATACTGTAGCACCTACAA
 GTCTGGTAGTTAGCCCTGGACAGCAAACCTTGTAGGGCTGAAACCAGCTGTGGTGCAGACCACACCTCC
 CCGTGATTTGGCGGCCACCCAAATCTCTCCGTCCCCTCCTTCCCCTTCGATTCAAGGTGAGAGTGTGTTG
 AGTTATAGCCCATCGCGCTCGCCAGTACCAGTCCCAAGTTTCCACCAGCTGCATGACTGGGTATAGTC
 CTAAGTCAAGGCTGTGTCAGGAGGCTTGGCTCGTACAGCCCTGCTGTGACTTACTCGCTGTGAG
 TGGCTATAGTAAGTTGGCGAGCTTATGCTGTCTCCTTCTTCTCCCTACCCTACCACCGTGGGCCCTGTG
 GAGAGCAGTGGATTGAGAGCTCGCTACCGTTCTCCACCCACGGCTATAACTCACCCACCGACAAGGAGG
 ACTACATGACAGACCTGAGAAGTTTGGACACGTTCTTGAAGTGAGGAAGAGAAACAGCATAGAGTGAA
 GCTGGGGAGCCAGACTTACCTCTCCATCTACCAGCCCTACCTTCTGGAATTACAGTCGTTCTGTGGGG
 GACTATGCACAAACCTTAAAGAAGTTTCAAGTATCAGCTTGCCGTAGATCTCAGGCCCCATGTGCTAACA
 AAGATGAAGCCGATCTCATTTCTAAGCAAGCTGCCGAAGAGGTTTGGCAAGAGTGACTATGAATAGACA
 GCTTCTTGATCAGATGGATTCTAGGACAGCCAAATTTAGAAATTTGGATCAGTGAGACAATATTAGTGCCA
 CTTGTGCAAGAGATTGAGTCTGTGACAGCCAGATGAGACGGATGGGCTGTCCAGAGCTACAAATAGGAG
 AGGCGAGTGTACCAGCTTGAACAAGCTGCCCTGGTCAAAGCTCCTCTCATCCCACTCTGAATGCAAT
 TGTGCAGTATTTAGACCTAACACCAAATCAGGAGTACTTGTGTTGAAAGAATCAAAGAAGCTTCTCAGGGA
 GGCTGTATGAGCTCATTCCGATGGAACCGAGGTGGAGACTTCAAAGGACGCCGCTGGGACACAGACCTGC
 CCACTGACTCTGCTATCATCATGTCATGTGTTTGCACCTACCTTGATTCCAGATTACCTCCACACCTAA
 GTACCCTGACGGTAAACATTCACTTCTCAGCACTTTGTTGACACCAAATAAACCCAGATGTTACGAAT
 GAAATGTGTTCTGTGTTTATCAGAGTGTATCAACCCTCCACACTATGAGCTAATCTATCAGCGGCACG
 TCTACAGTCTTCAAAGGGCAGAAATAACATGTTTCATACGTTGTTGATGTTCTGTACATCATAAAGAC
 CAAAGAGTCAGGAATGCTTGGGAGAGTTAATCTTGGGCTGTCTGGTGTGAATATTTATGGATTTTGA
 GAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209584 representing NM_001014055
 Red=Cloning site Green=Tags(s)

MMQGEVSPSPSLIDRTIRMKETESRKVVLAWGLLNVSMAAGMIYTEMGKLITYYNVTYWPLWYIELAL
 ASLFSLNALFDWRYFKYTVAPTSLVVSPGQQTLLGLKPAVVQTTPPRDLAATQISPPSPSPSIQGGSVL
 SYSPSRSPSTSPKFATSCMTGYSPLQLGLSSGGLGSYSPAVTYSYSPVSGYSLASFSLSPSSPYPTTVGPV
 ESSGLRARYRSPPTAYNSPTDKEDYMTDLRTDLTFLRSEEEKQHRVKLGSPDSTSPSTPTFWNYSRVS
 DYAQTLKKFQYQLACRSQAPCANKDEADLISKQAAEEVWARVTMNRQLLDHMDSWTAKFRNWISEITILVP
 LVQEIESVSTQMRMGCPQLIGEASVTSKQAAALVKAPLIPTLNAIVQYLDLTPNQEYLFERIKELSQG
 GCMSSFRWNRGGDFKGRWDLDLPTDSAIMHVFCTYLD SRLPPHPKYPDGKFTFSQHVFQTPNKPVDVN
 ENVFCVYQSAINPPHYELIYQRHVYSLPKGRNNMFHTLLMFLYIIKTKEGMLGRVNLGLSGVNILWIFG
 E

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001014055

ORF Size: 1683 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_001014055.1](#), [NP_001014077.1](#)

RefSeq Size: 1936 bp

RefSeq ORF: 1686 bp

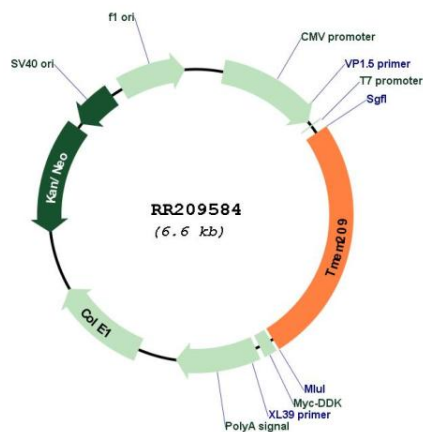
Locus ID: 312200

UniProt ID: [Q68FR5](#)

Cytogenetics: 4q22

MW: 62.9 kDa

Product images:



Circular map for RR209584