

Product datasheet for **RN205586**

Tmem2 (NM_001107596) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem2 (NM_001107596) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205586 representing NM_001107596 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGCGGCTGGTTCAGGGGACACTCCCCTGCTTTCCTGCAACCTCAAACGGAAACGGCCACCCT
CACCTGGTTATGTTCCCGGAAAGTGGTTCCTTTCGGCTGCTCCTCCTCAAAGAACCACGCCTCAGC
CAAACCTGACCTCCAGGAGCCAAGAAGCCCCAGCAACCTTGGCTTCTCCCCGAGGAGCAGCGAATCCG
AGGGAGGACCGAAAGCAGAAGAGACACAAGAACACCTTCATCTGCTTGGCCATAACCAGCTTCTCGTTTT
TTGTGACGCTCGCAGTCATTTTGGGAATATCCTCAAATATGCTCCAGATGAGAATTGTCCAGATCAA
CCCTCGTCTCAGGAACCTGGGATCCAGGACAAGATTCTGCGAAACACATTGTTATCAAGGAGGGGATATG
CTTCGCTGACCTCAGATGCTACAGTGAATTCTATAGTCAATTCAGGATGGAGGACTGCTTGTGTTGGGG
ATGACAAAGACGGATCCAGGAATATAACTTTGAGGACTCGATACATCCTGATACAGGATGGTGGGCGCT
TCATATTGGAGCAGAAAAATGCCGCTATCGATCCAAAGCGACAATTACCTTGTACGGCAAGTCAGACGAA
CATGAAAGTATGCCAACATTTGGCAAGAAGTTATTGGCGTGGAGGCTGGCGGGACACTGGAGTTACATG
GGGCTCGGAGGACATCATGGACGATGCTGGCGAGGACTCTGCATTCTCGGGCTTGCCCTTTGGCTCCTA
CGCCTTCGAAAAGGACTTCTCCCGGGCCTTAATGTGAGGGTCATTGACCAAGACACAGCTAGAGTTTTA
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GTTGGTGTATCATGATGGTGAAGTTCTTCTGCAATGAATCTGTGAGAACTATGAAAACACAGCACTG
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CCAGTCTGCACGTTGGTGAGATCATAGACGGGATAGACATGAGAGCGGAGGTTGGACTTCTCACCCGG
AACATTGTGATCCAAGGAGAAACGGAGGACTCATGCTACGCTGATAATCACTGCCAGTTCTTTGATTATG
ACACCTTTGGGGACATGTCATGATAGAGAAGAATTTACTTCAGTCCATCTGTCTTATGTGGAGTTGAA



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GCACATGGGCCAGCAGCATCTGGGACGCTATCCTGTGCATTTTCACCTGTGTGGAGATGTGGATTCTAAA
 GGAGGGTACCGAGTGCCAACGTCTGTGAACGGCCTGTCTATTCATCACAGCTTTTCAAGGTGCATCACTG
 TGCACGGGTCCAGTGGCTTGCTCATCAAAGACACCATTGGATTGCACACCCTAGGTCATTGCTTCTTTTT
 GGAAGATGGTGTGAACAGAGAAACATTTTGTCCATAACCTGGGGCTTCTTACCAAGCCGGGCACTCTC
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 CGGCTTCCTCATGAAGAATTCTGGCAGACAACCCAGGAATAACGTCTCTCTGTGAAGTTTGGTCCA
 CAGGTCTCTGAACGTCTTCTTTGAAAAGCCTGGCCCCCTGGTTTGGAGATTGTGAGCTGGATGGTGATA
 AGAACTCCATCTTCCACGACATTGATGGCTCTGTGACAGGATACAAGGACACCTATGTAGGAAGGATGGA
 CAACTACCTGATCCGCCATCCAACTGTGTGACGCTTACTAAGTGGATGCAGTGGTCTGCAGTGGGACC
 TATGCCAGGTGTATGTTGACAGTGAACACGCCGAATCTTAGCATGATCATCACGCGAGACGAATACC
 CATCCCACCAATGGTGTTCGGGGCATTAAACCAGCGGCCATCTCCCACAGTACCAGCCTGTGTCAT
 GCTGGAGAAGGGCTACACCATCCACTGGAGTGGCCAGCGCCAGTACCACTTTCTGTACCTCGTGAAC
 TTCAACAAGGATGACTGGATCCGGTCCGGCTCTGTTACCCGTCACAACAGAGCTTTCAGGTGACCGTGG
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 GCTGCAGAAGAAGCCGTCTGAGAGAAAATTCTACTTTGACTCTGGCACAGGGTTATTGTTCTGTATCTC
 AGAGCCCACAGCCACAGAGATGGCCACAGTTACTGTTTCTCAGGGATGTGAAAGAGTCAAGATTCAGG
 CAGCCACAGACTCCAAGATATGAGTAACTGCATGGCCAAAGCGTACCCACAGTATTACAAGAAACCCTC
 GGCAGTCAAGCGCATGCCAGCCATGCTCACCAGGTTCTGTCAAGGCTGTGGCACCCACAGATGGTGTT
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 GAGAACCATCTGTTATTTCCGTCAATGGTACTGACTTTACCTCCGGAGTGCAGGTGCCTTCTCTCAT
 TGTGGATGCCTGCAGTGTGCCCTCCGGTTGACGGAAAAGCGGATGTTCTTTCTGCAGACATCAGTCAC
 TTGGAAGAATATCTAAAGGCTAGCATCCCTCCAAGGTCAATCGTTCTCTTGCAGCACAAGAGGAGAAATCA
 AGCAGATGAATATCTCGATTATTCTGCTTCTGGGACTGGCCAAGCCAGCACATCTGTACAACAAGG
 TAGTACTGATTTTTGGGATTACAGCGAAACTCACCCCATCGTGGACTAGGCTGTTACCAGTCCCTGAT
 GTGCAGGGCCTCGGGTGTCTCGAGCAGTATCTCCCCTGCAGATGGAGGAATATGGGTGCTCCAGGACCA
 GCAGTGTCCACAGAAGGGACCTTGAAGTGTACAGCAGGCTTTGAAAGGGCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001107596

Insert Size:

4116 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001107596.1, NP_001101066.1

RefSeq Size: 6474 bp

RefSeq ORF: 4116 bp

Locus ID: 309400

Cytogenetics: 1q51