

Product datasheet for **RG206887**

TMEM209 (NM_032842) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM209 (NM_032842) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM209
Synonyms:	NET31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206887 representing NM_032842
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGCAGGGGAGGCACACCCTAGTGCTTCCTTATTGACAGAACCATCAAGATGAGAAAAGAAACAG
 AGGCTAGGAAAGTGGTCTTAGCCTGGGGACTCCTAAATGTATCTATGGCTGGAATGATATATACTGAAAT
 GACTGGAAAATTGATTAGTTCATACTACATGTGACATACTGGCCCTCTGGTATATTGAGCTTGCCCTT
 GCATCTCTCTCAGCCTTAATGCCTATTTGATTTTTGGAGATATTTCAAATATACTGTGGCACCAACAA
 GTCTGGTTGTTAGTCTGGACAGCAAACACTTTTAGGGTTGAAAACAGCTGTTGTACAGACTACGCCTCC
 ACATGATCTGGCAGCAACCCAAATCCCTCCCGCTCCACCTTCCCCTTCAATTCAGGGTACAGAGTGTGTTG
 AGTTATAGCCCTTCTCGTTCGCCAGTACCAGTCCCAAGTTCACCACCAGCTGTATGACTGGTTACAGCC
 CTCAGCTGCAAGGTCTGTCTCAGGTGGCAGTGGTTCCTATAGCCCTGGAGTGACCTACTCGCCCGTCAG
 TGTTTATAATAAGTTGGCGAGCTTAGCCCTCTCCTCCTTCTCCGTACCCTACCCTGTTGGACCAGTG
 GAGAGCAGTGGATTGAGATCTCGCTACCGTTCCTCACCTACCGTCTACAACCTCACCTACTGACAAAAGAG
 ACTACATGACCGACCTACGAACCTTTGGATACTTTTCTCAGAAGTGAAGAGGAGAAAACAGCATAGGGTTAA
 GCTGGGGAGCCAGATTCTACCTCTCCTCCAGCAGTCTACTTTCTGGAATAAGTCTGTTCTATGGGG
 GATTATGCACAACTTTAAAGAAGTTTCAGTATCAGCTTGCCGTAGGTCTCAGGCCCATGTGCTAACA
 AAGATGAAGCCGATCTCAGCTCTAAACAAGCCGAGAAGAGGTCTGGGCAAGAGTGGCTATGAATAGACA
 ACTTCTTGATCATATGGATTCTAGGACAGCTAAATTTAGAAAATGGATCAATGAGACAATATTAGTGCCA
 CTTGTTCAAGAGATTGAGTCTGTGACACACAGATGAGACGAATGGTTGTCAGAGCTACAGATAGGAG
 AGGCTAGTATTACTAGCTTGAACAAGCTGCCCTGGTTAAAGCGCCTCTCATTCCGACTTTGAACACAAT
 CGTTCAGTATCTAGACCTTACTCCAATCAGGAATACTTGTGTTGAAAGGATCAAAGAATACTCAGGGA
 GGTTGATGAGCTCATTTGATGGAACAGAGGTGGCGACTTCAAAGGACGAAAAGTGGGATACAGACCTGC
 CCACCGATTCTGCTATCATCATGATGATTTTGCACCTACCTTGATTCCAGATTACCTCCACATCCGAA
 GTATCCCGACGAAAAACTTTTACTTCTCAGCACTTTGTTGACACCAAAATAAACCCAGATGTTACAAAT
 GAGAATGTTTTTGCATTTATCAGAGTGTATCAACCCTCCCCATTATGAGCTCATCTACCAGCGTCATG
 TATAAACCTGCCAAAGGGCAGAAATAATATGTTTCATACATTGTTGATGTTTCTCTACATCATAAAGAC
 CAAAGAGTCAGGAATGCTGGGAGAGTTAATCTTGGTCTATCTGGTGTGAATATATTGGGATCTTTGGC
 GAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206887 representing NM_032842
 Red=Cloning site Green=Tags(s)

MMQGEAHPASLIDRTIKMRKETEARKVVLAWGLLNVS MAGMIYTEM TGKLISSYYNVTYWPLWYIELAL
 ASLFLNALFDWRYFKYTVAPTSLVVSPGQQTLLGLKTA VVQTTPPHDLAATQIPPAPPSPSIQGSVL
 SYSPSRSPSTSPKFTTSCMTGYSPLQLGLSSGSGSYSPGVTYSPVSGYNKLASFSPSPSPYPTTVGPV
 ESSGLRSRYSPTVYNSPTDKEDYMTDLRDLTFLRSEEEKQHRVKLGSPDSTSPSSSPTFWNYSRSMG
 DYAQTLKKFYQLACRSQAPCANKDEADLSSKQAAEEVWARVAMNRQLLDHMDSWAKFRNWINETILVP
 LVQEIESVSTQMRMGCPQLIGEASITSLKQAALVKAPLIPTLNTIVQYLDLTPNQEYLFERIKELSQG
 GCMSSFRWNRGGDFKGRKWDLDLPTDSAIIMHVFCTYLD SRLPPHPKYPDGKFTTSQHFVQTPNKPVDVN
 ENVFCIYQSAINPPHYELIYQRHVYVNL PKGRNNMFHTLLMFLYIIKTKESGMLGRVNLGLSGVNILWIFG
 E

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032842

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_032842.4](#)

RefSeq Size: 3356 bp

RefSeq ORF: 1686 bp

Locus ID: 84928

UniProt ID: [Q96SK2](#)

Cytogenetics: 7q32.2

Protein Families: Transmembrane

Product images:



Circular map for RG206887