OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC105837

TMEM181 (BC021687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM181 (BC021687) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM181
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF: >NCBI ORF sequence for BC021687, the custom clone sequence may differ by one or more nucleotides

GGGGAAAAAATAACTGACTTGCTTAACCAGAAAACAGAATGTGGGTCCCAGTACAGCATATAATGAAACC
AGTTAGAGACAACAACAGGCAAGAAAAGATGATTTGGCAAGGTTGGAGGTCCTAATGTGAGCAATCAACC
TCTAAATAATTCTAAAATCACTGACATGATCCAGATGATACCCAAAGATGGTGGCATTGGGTACTGACTC
TAGGACATACTAAAGCTGTTTTCATGGGTTATAAGGTAAGATGAAAAACTGAGGGAAAGAAACAAGTCGT
TGAAGTAATTTCAGCTATAGGATGAGAATGTTCTAGATCAGGATTGTTGAGTAAGTAAGGGATAAATTAA
AAGGGAAAGAAGTAGATGCCAGGCAAGGGAAAGAGTCAAGAAATTCAGAAATGTGGGAGCTAGTGAAGTC
TGGAAGGCAGTGGTCTTGCTCAAGTACTACTGGGGTGTCAGACTGTGCCCCACTTACAGGTAGTACAGGT
GTAGGACAGGAAAGAGTGGGTAGGAAATAACCAGGTGCAGTCGTTAACCTGGTATTGATCTACCCATGGG
TGATAAATGAAATCAAATCAGATGAAAGTCCTCTATAATGAAAGAAAAGAGAGAGGCACAAACTGACCCA
AGAGCTATGGGATCCTGTTCACCAGTACTGGGCCAGAAAAAAAAAAAAAAGGTTTAAATACTGAGTGTGTA
AGCCAGCTCCCCCCTTCATATGTATTCCTGCGATATATATATATACATATGGATATCCTGCAGAACAACA
TGGCTATTTGCCCTCTAACATGCTCTAAAAACCCTTTCTCCAACCTGTGCATTTATTTAGATAGACCTAG
AACGTGGAAACACCAGCACAATCTGGTTTCTCAGATGCCCATCGTATTGGTTCCTGTCCCTGCCTTACGG
TACCCATCATGTTATCATTTATGTGCAAACAAGCTGTGGTGTACTGGAGGGAAGGGAAGGGATGCACACA
GCAGGCCTTTTTTGTTTTTGTTTGTTTGTTTTGTGACAGAGGAAGGAGGTATGAGGTTGTACTTTATTTT
TAAGAAAATGACAGTTCGATTCAGATTAGCTTTATATTTTTTGAACTGGCTTCCAGTTGGCCTCTAGGTG
GGGGCCTCCACTCAACGGCTGCTATTGTAGACCCCTCCCCAATTCTGGCTCCACAAAAGGGGCAGGAATA
AACAGTATAGGGCAGATGTTGGCTGAAAGGTGTAATTAAGTATACTTTTGACTTAAACATACTGTCTTAA
AGAGATCCTATCTCTTTTACGGAATGAGTTGTTAGAAAATCTTCTGTATCTAACGTGAAAGCTCACAGGG
TACAACTGCACTTAAATTGTCAGTTAGGACAAGCTTTAACCTCTCGTGACAAAACCCCTAAAGGAGGTAT
CTGCCCTGAGGGATATGAAGCTACAAGTTGTAATGAAGGATTCTGTTTCATAGGACATGCTAACATGTAA
TGCTCTGCATTTTAGTTATTAAAATGAACCTTTTTAAAGCTTAAGGATGACAAACTCAGGGTTTCCTTAT
ACCACTGAGTTTTTAAAAGCCAGTGGTGAGTTTAGATGTTAGCAATTCAGTGGAACTATGAAAAAGATGG
AATTGTGATGGCTTTCCATAACTAATTTCTGCTTCACAAATATAAAATAGCTATTTTGAAATTCCAAATT
GACTAGACAGACTACGGCTTGTCCCTGAAGCCATTGTTGAAGACAAACTTACAACTCTTATTAGAAGTAG
CAGCTTCATATTTAAAGAAGAAAGTCTTTTTGAATTTTGCCAATTAAATTACCAGTGACCTTTAAGAAGT
AAGTCAAAGGTGTCTTAGAGGGAAAATTTGAAGTAACAGAGACAGGCAGCAGCATCAGAGATAAGAGCTG
ATAGTCAAGCATTGAATGAAGGAAATCAAGACAGTGGTGAGATCTCACGGCAGGCAGAGGCTGAGGCTGA
AAGCAAGGCAGTGGGCTGATGTTCAGGGTCCTATTAGACACTTTTCTGAGGTTAAGGATGGACTTTTTAA
GAGGCTCCTAAGAGTTACATGTCCATGGCTTGAACTTTTTGTCTCAAACAACAGAAACATAGGAACTAGG
AACAATAACCTAAAACTGGGGCTTTATGTGGTTCTGGGTAGCAGACAAATTGAGTCACTTGAATTTCCAG
AGTACAAAAGACCCCTTTAACCCCTTCCTGAAAAAGATTTTTCATGGTCAGGTATTTTTAAATACTTGCA
TACTTTGTTCAGAAATCTGTATACATTAAAAAAACATGTTCTCTTTAAGAATATTCTGGCCAGGCACGGT
GACTCTTGTCTGTAATCCCAACACTTTTGGAGGCCAAGGCGGGAGGATCACTTGAGCCCAGGAGTTTGAG
ACCAGCGTGGGTATAGTGAGACCTTGTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC021687 unedited
ACGNAGGGAATNNAAATTAAAAGGGNAAAGNAAGTAGNATNNGCCAGGCAAGGGGAAAGA
GTCAAGAAATTCAGAAATGTGGGAGCTAGTGAAGTCTGGAAGGCAGTGGTCTTGCTCAAG
TACTACTGGGGTGTCAGACTGTGCCCCACTTACAGGTAGTACAGGTGTAGGACAGGAAAG
AGTGGGTAGGAAATAACCAGGTGCAGTCGTTAACCTGGTATTGATCTACCCATGGGTGAT
AAATGAAATCAAATCAGATGAAAGTCCTCTATAATGAAAGAAAAGAGAGAGGCACAAACT
GACCCAAGAGCTATGGGATCCTGTTCACCAGTACTGGGCCAGAAAAAAAAAAAAAGGTTT
AAATACTGAGTGTGTAAGCCAGCTCCCCCCTTCATATGTATTCCTGCGATATATATATAT
ACATATGGATATCCTGCAGAACAACATGGCTATTTGCCCTCTAACATGCTCTAAAAACCC
TTTCTCCAACCTGTGCATTTATTTAGATAGACCTAGAACGTGGAAACACCAGCACAATCT
GGTTTCTCAGATGCCCATCGTATTGGTTCCTGTCCCTGCCTTACNGTACCCATCATGTTA
TCATTTATGTGCAAACAAGCTGTGGTGTACTGGAGGGAAAGGAAGGGATGCACACAGCAG
GCCCTTTTTTGTTTTTGTTTGGTTGTTTTGGGACAGAAGAAAGAGGTATGANGTTGTACC
TTTATTTTAAAGAAATGACAGTTCGATTCAGATTAGCTTTATATTTNTTGAACTGGCTTC
CAGTTGCCTCTAGGTGGGGGCTCACTCAACGCTGCTATTGTAGACCCCTCCCAATTCTGG
CTCCCAAAAGGGGCAGNGATAACATATAGGGCAGATGTTGCTGAAAGGGTAATAANTTAC
TTTTGACTTA

3' Read Nucleotide Sequence:

>OriGene 3' read for BC021687 unedited
NNCCGGTTCTACTATGNNACCGCGGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTT
TTTTTTTTTTGAGACAAGGTCTCACTATACCCACGCTGGTCTCAAACTCCTGGGCTCAAG
TGATCCTCCCGCCTTGGCCTCCAAAAGTGTTGGGATTACAGACAAGAGTCACCGTGCCTG
GCCAGAATATTCTTAAAGAGAACATGTTTTTTTAATGTATACAGATTTCTGAACAAAGTA
TGCAAGTATTTAAAAATACCTGACCATGAAAAATCTTTTTCAGGAAGGGGTTAAAGGGGT
CTTTTGTACTCTGGAAATTCAAGTGACTCAATTTGTCTGCTACCCAGAACCACATAAAGC
CCCAGTTTTAGGTTATTGGTCCTAGTTCCTATGTTTCTGTTGTTTGAGACAAAAAGTTCA
AGCCATGGACATGTAACTCTTAGGAGCCTCTTAAAAAGTCCATCCTTAACCTCAGAAAAG
TGTCTAATAGGACCCTGAACATCAGCCCACTGCCTTGCTTTCAGCCTCAGCCTCTGCCTG
CCGTGAGATCTCACCACTGTCTTGATTTCCTTCATTCAATGCTTGACTATCAGCTCTTAT
CTCTGATGCTGCTGCCTGTCTCTGTTACTTCAAATTTTCCCTCTAAGACACCTTTGACTT
ACTTCTTAAAGGTCACTGGTAATTTAAATTGGAAAAATCAAAAAGACTTTCTTTCTTTAA
TATGAAGCTGCTACTTCTAATAAGAGGTGTAAGTTTGGCTTCCACAATGGCTTTCGGGAC
CAACCCGTAATCTGGCTAGTCAAATTGGGATTTCAAAATAGCTTTTTTATATTTGTGAAG
CACAAATTTATTTTTGGAAAGCCTTCACCAATTCATCTTTTTTATAGTTCCCCTGAATT

Restriction Sites: NotI-NotI

ACCN: BC021687

Insert Size: 2250 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:	BC021687.1
RefSeq Size:	2439 bp
RefSeq ORF:	2439 bp
Locus ID:	57583
Cytogenetics:	6q25.3
Protein Families:	Transmembrane
Gene Summary:	The TMEM181 gene encodes a putative G protein-coupled receptor expressed on the cell surface (Carette et al., 2009 [PubMed 19965467]; Wollscheid et al., 2009 [PubMed 19349973]). [supplied by OMIM, Jan 2010]