

Product datasheet for **SC308439**

TMEM132E (NM_207313) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMEM132E
Synonyms:	transmembrane protein 132E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC308439 representing NM_207313.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCCGGGGATGTGGGCCCGGGCGGCCGCCCTGCTCTGCCTCTCAGCGCTACTCGCCACGCC
TCTGGCCGCTCCACCCGGCCAGCCCCAGCCCGGGGGCCGAGGCCAGCCCGGTGCTGCCAGTCAGC
TACCGCCTGTGCGACACGCGGCTGGCCTTCTTCTGCGGGAGGCGCGGCCCGCTCACCCGCGGTGCGC
AACAGCTCTCTGACGCGCTCCGAGCCCTTCGTGGTGTTCAGACCAAGGAGCTGCCGGTCTCAACGTC
TCTCTGGGGCCCTTCAGACCAAGCAGGTGGTGGCGCGGGAGCTCCTGCAGCCGTCCAGCACCTTGGAG
ATCCCCGAGCGCTGACGGTGAAGTGAAGGTGCGGCCCTTCATCGTCCGCTCGCAGTGGCCGCTCG
CAGCCCGTGGTCCAGGTGCTGTTCTACGTAGCCGGCCGGGACTGGGACGACTTCGGCGTCACCGAGCGG
CTGCCCTGTGTCCGCTGCATGCCTTCGGGATGCCGGGAACACCCCTGCTGCGCATCGGGAGCATC
AGCCTGTTCCGCCCGCCCCAGGAGGACCTGCAGGAGCAGAGGTGGACAGCAACCTGATGATCCGC
CTGCCAGACCGGCCCTCAAGCCCGGGGAAGTGTCTCAGCATCTCTCTATCTGGCCCCAACTCTCTCC
TCGCCCTCCAGCCCAGCGTGGAGCACTTCACACTCAGGGTGAAGGCCAAGAAGGGTGTGACCCCTTTA
GGTACCAAGTCACGGAGTGGCCAGTGGCATGTGACCTCGGAGCTGTGACTGGGGCAAAGCACTCAACA
GCCACCGTGGATGTGGCTGGGCTCAGAGCACACCCCTGCCCCCGAGGAGGGCCAGGGCCCTTGGAG
ATCTTCGAGCTGGACTTTGAAATGGAGAACTTCACAGCCAGTCAGTCAAGCGGAGGATCATGTGGCAG
ATTGACTACCGTGGCCACGGCGCCCTGCCTGACCTGGAGCGGGCAGTCACTGAGCTGACGGTCATTGAG
CGGGATGTGCAAGCCATCTGCCCTGGCCATGGACACAGAGATCATCAACACGGCCATTCTGACTGGC
CGGACAGTGGCCATCCCTGTCAAGGTATTGCCATCGAGGTGAATGGCTCGTCTGGACATCTCCGCC
CTAGTGAATGCGAGTCTGACAATGAAGACATCATCAAGGTATCCAGCAGCTGTGACTACGTGTTTGTG
AGTGGAAAAGAGTCTCGAGGGTCCATGAACGCCAGGGTCACCTTCGCTACGAGCTCCTCAATGCTCCC
CTGGAAATGACAGTCTGGGTCCCAAGCTGCCCTTGACATTGAGCTCTCAGATGCCCGCTCAGCCAA
GTGAAGGGCTGGAGGTACCTATCTCCCCGACCGGAGGTGAGTCCGGGAAAGCGAGGATGAGGATGAG
GAGGAGGAGGAGCGGGCGCAGAGTGAAGCCGTGGCTGCACCCTGAGTACCAGCATGCCACCCTGCAG
GTCTTCACCCAGTTCCACACGACATCATCCGAGGGCACTGACCAGGTGGTCACCATGTTAGGCCCGGAC
TGGCTGGTGGAGGTACCGACCTAGTCAGTGACTTCATGCGGGTGGGCGATCCCGAGTGGCACACATG
GTGGACAGCAGCAGCTGGCAGGACTGGAGCCAGGCACACCCCTTTAAGGTGGTGTCTCCGCTGACG
GAGGCTGTGCTCGGGGAGACGCTGTGACGGTGTGAGGAGAAGGTGAGCATCACACAGCTTCAGGCC
CAGGTGGTGGCCAGCCTGGCCCTCTCCCTGCGGCCAGCCCTGGGAGCAGCCACACCATCTAGCCACC
ACAGCTGCCAACAGACCTTGAGCTTCTCAAGCAGGAAGCCCTACTGAGCCTCTGGCTCTCTACAGT
GATGGACACACAGCCCACTCTCCCTCTACAGCCACGAGACTATGGAGTGTAGTGAGCAGCCTGGAT
GAGCATGTGGCCACTGTGACCCAGGACCGGGCTTCCCTCTGGTAGTGGCTGAGGCCGAGGGGTACGGG
GAGCTCCTTCCGCGAGAGCTAACCATCGCTGAGAGCTGCCAGAAAACCAACGCAAGAGTGTGCTCGCC
ACGACCCCTGTGGGCTGCGGGTGCACCTTGGGAGGACGAGGAGGACCCCACTTATGACTACCGGGC
CCCAGCCAACAGGGCCCGGGGGCGAGGACGAGGCCCGGGGAGCTGGCCCGCGGGCTCTGCGCTA
CCCGCACCGGAGGCTCCAGGCCGGGACCGCCAGCCCGTGTGCCACCCACAGAAGACTTCTGCGG
CTGCCACCGGCTTCTGACAGGTGCCACGGGTCTGACAGACCTGGAGATCGGCATGTACGCGCTGCTG
GGCGTCTTCTGCTCGCCATCTCTGCTTCTCATCACTGCATCGTTTTGTGCTGCGCTACCGGCAC
AAGCGCATCCCGCCGAGGGCCAGACCAGCATGGACCACTCTACCACTGGGTGTTCTGGGCAACGGG
CAGCCGCTGCGGGTGAAGGAGAGCTGTGCGCGCCAGCAGGCAACCCGCTGGAACCGTGCCCGCCTTC
TGCCACGGGACCAACACAGCAGCGGCAAGCTCGCAGACCAAGCTCCAGAGCCAGGTGCACGGCAGGGGC
GACGGCTCTCGGGCGGCTCAGCCCAGACCAAGCCGAGGACCCCGCCAGCTCGCCACCTCCAAGCGC
AAGCGGGTCAAGTTCACCACTTCACACGCTGCCGTGAGGAGGTGGCTATGACTCGGTGCCCGCG
GGCGAAGAGGACGAGGAGGAGGAGGACCTGGGTGGGGTGGCCGATGTGGCGGGCCCCACCGCG
CCCCTGACACCCCGGACCTGCACAAATACATGCGCAGAATCAAAGAGATTGCAAG
ACGGTACGCGGCCGCTGAGCAGAACTCATCTCAGAAGGAGTCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_207313

Insert Size:

2955 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_207313.2
RefSeq Size:	4374 bp
RefSeq ORF:	2955 bp
Locus ID:	124842
Cytogenetics:	17q12
Protein Families:	Transmembrane
MW:	107.1 kDa
Gene Summary:	Required for normal inner ear hair cell function and hearing.[UniProtKB/Swiss-Prot Function]