

Product datasheet for **SC114005**

TMEM214 (NM_017727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM214 (NM_017727) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM214
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_017727, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGACCAAGACGGCGGGCGTGGGGCGGTGGGAGGTAGTGAAGAAGGGTCGGCGGCCTGGGGTCGGCG
CCGGCGCCGGCGGCCGAGGAGGCGGCAGGAACCGCAGGGCGCTCGGGGAAGCAAACGGAGTGTGAAATA
CGACCTGACCCCTGCAATCCAGACCACAAGCACCTTTATGAGCGGGGCTTTGAGAATATCATGAAGCGG
CAGAAATAAGGAGCAGGTCCCACCCCTGCTGTGGAACCTAAGAAACAGGGAACAAGAAGCAGCCAAAGA
AGGTGGCAACTCCTCCCAACCAAAACCAGAAGCAGGGCCGCTTCCGCAGCCTGGAGGAAGCACTGAAAGC
TCTGGATGTGGCAGACCTGCAGAAGGAAGTGGACAAGAGCCAGAGTGTGTTCTCTGGAAACCCATCCATA
TGGTTGAAGGACCTGGCCAGCTATCTCAACTACAAGCTACAAGCTCCTCTAAGTGAACCCACGCTGAGCC
AGCATACTCATGATTATCCCTACAGCCTGGTGAGCCGGGAGCTACGTGGGATCATCCGAGGGCTGCTGGC
GAAGGCAGCAGGGTCTCTGGAGCTCTTTTTGACCACTGTCTGTTACCATGTTGCAAGAGCTGGATAAG
ACACCAGGGGAGTCACTACATGGTTACCGCATCTGTATCCAGGCCATCCTGCAAGACAAGCCCAAGATTG
CCACGGCAAACCTAGGCAAGTTCTGGAAGTCTGAGGTCCCACAGAGCCGACCAGCAAAGTGTCTCAC
CATCATGTGGGCCTGGGTCAAGCAGGTTTGGCAACCTACCGAGGGACTGAAAGTGTGGCTGGGGATC
ATGCTGCCTGTGCTGGGCATCAAGTCTCTGTCTCCCTTTGCCATCACATACCTGGATCGGCTGCTCCTGA
TGCATCCCAACCTTACCAAGGGCTTCGGCATGATTGGCCCAAGGACTTCTTCCCACTTCTGGACTTTGC
CTATATGCCGAACAACCTCCCTGACACCCAGCCTGCAGGAGCAGCTGTGTCAGCTCTACCCCGGACTGAAA
GTGCTGGCATTGGAGCAAAGCCGGATTCCACCCTGCATACCTACTTCCCTTCTTTCCTGTCCAGAGCCA
CCCCTAGCTGTCCCCCTGAGATGAAGAAAGAGCTCCTGAGCAGCCTGACTGAGTGCCTGACGGTGGACCC
CCTCAGTGCCAGCGTCTGGAGGCAGCTGTACCCTAAGCACCTGTCACAGTCCAGCCTTCTGCTGGAGCAC
TTGCTCAGCTCCTGGGAGCAGATTCCCAAGAAGGTACAGAAGTCTTTGCAAGAAACCATTAGTCCCTCA
AGCTTACCAACCAGGAGCTGCTGAGGAAGGGTAGCAGTAACAACCAGGATGTCGTACCTGTGACATGGC
CTGCAAGGGCCTGTTGCAGCAGGTTAGGGTCTCGGCTGCCCTGGACGCGGCTCCTCCTGTTGCTGCTG
GTCTTCGCTGTAGGCTTCTGTGCCATGACCTCCGGTCACACAGCTCCTTCCAGGCCTCCCTTACTGGCC
GGTTGCTTCGATCATCTGGCTTCTTACCTGCTAGCCAACAAGCGTGTGCAAGCTCTACTCCTACAGTCT
GCAAGGCTACAGCTGGCTGGGGGAGACTGCCGCTCTGGGGCTCCCACCTGCTCACCCTGGTGGGCCC
AGCTTGCAGCTGGCCTGGGCTCACACCAATGCCACAGTCAGCTTCTTTTCTGCCCACTGTGCCTCTCACC
TTGCGTGGTTTGGTGACAGTCTCACCAGTCTCTCTCAGAGGCTACAGATCCAGCTCCCCGATTCCGTGAA
TCAGCTACTCCGCTATCTGAGAGAGCTGCCCTGCTTTTCCACCAGAATGTGCTGCTGCCACTGTGGCAC
CTCTTGCTTGAGGCCCTGGCCTGGGCCCAGGAGCACTGCCATGAGGCATGCAGAGGTGAGGTGACCTGGG
ACTGCATGAAGACACAGCTCAGTGAGGCTGTCCACTGGACCTGGCTTTGCCTACAGGACATTACAGTGGC
TTTCTTGGACTGGGCACTTGCCCTGATATCCCAGCAGTAG

```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017727 unedited
 NTGTTCAAATTTTGTAAACGACTCACTATAGGGCGGCCCGCAATTTCGCACGAGGGGAG
 CAGGTCCCACCCCTGCTGTGGAACCTAAGAAACCAGGAACAAGAAGCAGCCAAAGAAGG
 TGGCAACTCTCCCAACCAAAACCAGAAGCAGGGCCGCTTCCGCAGCCTGGAGGAAGCAC
 TGAAAGCTCTGGATGTGGCAGACCTGCAGAAGGAACTGGACAAGGCCAGAGTGTGTTCT
 CTGGAACCCATCCATATGGTTGAAGGACCTGGCCAGCTATCTCAACTACAAGCTACAAG
 CTCTCTAAGTGAACCCACGCTGAGCCAGCATACTCATGATTATCCCTACAGCCTGGTGA
 GCCGGGAGCTACGTGGGATCATCCGAGGGCTGCTGGCGAAGGCAGCAGGGTCTCTGGAGC
 TCTTTTTTGACCACTGTCTGTTACCATGTTGCAAGAGCTGGATAAGACACCAAGGGGAGT
 CACTACATGGTTACCGCATCTGTATCCAGGCCATCCTGCAAGACAAGCCCAAGATTGCCA
 CGGCAACCTAGGCAAGTTCTGGAAGTCTGAGGTCCCACCAGAGCCGACCAGCAAAGT
 GTCTACCATCATGTGGGCCCTGNGTCAAGCAGGTTTTGCCAACCTACCGAGGGACTGA
 AAGTGTGGCTGGGATCATGCTGCCTGTGCTGGGCATCAAGTCTCTGTCTCCCTTTGCCA
 TCACATACCTGGATCGGCTGCTCCTGATGCATCCCAACCTTACCAAGGGCTTCNGCATGA
 TTGGCCCCAAGGACTTCTTCCCACTTCTGGACTNTGCCTATATGCCCCACAACCTNCCTGA
 CACCCAGCCTGCNAGAGCAGCTGTGTACGCTCTACCCGACTGAAAGTGTGCTATTGGA
 GCAAGCCGGATTACCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017727 unedited
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAAATCTGTGTCTTTATTCCACCTG
 GTAGGGCATAACCAAGAACCATACTAGAGTCCTGTCTCAGGTTGATGGAGGGTTCCTG
 GGCCCAAGGCACACAACCTGCCTGTGCTCTGCTCTACAGATGATAGGAGGGATGGACAGTG
 GAGAGAAGCTGAGCCTTGTGACCAAGACCCCAAGCATGATGGGGAATGGAAGTTGGAAG
 AAGTAGGACTACAAGGGAGGGGACAGGGAGGGGCTTAGAGGCATTTGGGGCAGGCTGGGC
 ATTTTGAAGTGAAGGCATTTCCATCCAGCTCCCATGTCCACTGACAGCCACACCCAG
 GCTTCAGTGGAGGTGAGGCTGCTGTTTCCAATGCGGTGCTATATTCTTCTGGAAGCCC
 CTTTCTTCTGCTGTGGCTAGAGCTGTGACCAAGAATGGGAACAGGAGGCTGCTAAAGTC
 TGGAGAAGCAGGAATCATTGTGTCAGAAGACACAGAAGCCACCTGCTGGGAGTTCTATCTT
 TTAGAGATGAGCTGTTTGGGGTTTACAAATGAGATGGAAGGAAGTGAAGGCACAGGGC
 AAGGGCGGAGTTGTGAGAGGCTACCACCACAAGGATGGAGGCTGGGGGCCATGTGCAGTA
 GGGCCCCAGAAAGTGTTCAGTGGAATTGTGTAAGAAGGCTATATGCTGCTGGCCCTGTC
 CCAACCAAAATGAAGACCTGAGGTGGAGCACTGCCACTGCCTTAGAAAGACTCAGCCCC
 AGTTAAAAGACTCCCATGAGACTGCCACCTTTACGCGTGAGTCTTGATGTCTACCCTGCA
 AAATAGTGCCAGAAAGCACGGCTATTGCTGGAATTAGGCAAGTGCCTCCAGAAACACTG
 NATGTCTGTAGCAAACAGTCCAGTGCAACCTCCTTGACTTGTGTTTATGCANCCAGTACC
 CTACCTTGATGCTTATGGATGCTCCTGGCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_017727

Insert Size:

3100 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:	<u>NM_017727.2, NP_060197.2</u>
RefSeq Size:	3064 bp
RefSeq ORF:	1296 bp
Locus ID:	54867
UniProt ID:	<u>Q6NUQ4</u>
Cytogenetics:	2p23.3
Gene Summary:	Critical mediator, in cooperation with CASP4, of endoplasmic reticulum-stress induced apoptosis. Required for the activation of CASP4 following endoplasmic reticulum stress. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).