

Product datasheet for **SC318165**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318165 representing NM_017727.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGCGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
ATGGCGACCAAGACGGCGGGCGTGGGGCGGTGGGAGGTAGTGAAGAAGGGTCGGCGGCCTGGGGTCGGC
GCCGGCGCGGGCGGCCGAGGAGGCGGCAGGAACCGCAGGGCGCTCGGGGAAGCAACCGAGTGTGAAA
TACGACCTGACCCCTGCAATCCAGACCACAAGCACCTTTATGACGGGGCTTTGAGAATATCATGAAG
CGGCAGAATAAGGAGCAGGTCCCACCCCTGCTGTGGAACCTAAGAAACAGGGAACAAGAACGACCCA
AAGAAGTGGCAACTCTCCCAACCAAAACAGAACGAGGCCGCTTCCGCAGCCTGGAGGAAGCATG
AAAGCTCTGGATGTGGCAGACCTGCAGAAGGAAGTGGACAAGAGCCAGAGTGTGTTCTCTGGAAACCCA
TCCATATGGTTGAAGGACCTGGCCAGCTATCTCAACTACAAGCTACAAGCTCCTCTAAGTGAACCCACG
CTGAGCCAGCATACTCATGATTATCCCTACAGCCTGGTGAGCCGGGAGCTACGTGGGATCATCCGAGGG
CTGCTGGCGAAGGCAGCAGGGTCTCTGGAGCTCTTTTTTGACCACTGTCTGTTCAACATGTTGCAAGAG
CTGGATAAGACACCAGGGGAGTCACTACATGGTTACCGCATCTGTATCCAGGCCATCCTGCAAGACAAG
CCCAAGATTGCCACGGCAAACTAGGCAAGTTCTCTGGAATGCTGAGGTCCCACACAGAGCCGACCAAGCA
AAGTGTCTCACCATCATGTGGGCCCTGGGTCAAGCAGTTTTTGCCAACTCACCGAGGGACTGAAAGTG
TGGCTGGGGATCATGCTGCCTGTGCTGGGCATCAAGTCTCTGTCTCCCTTGCCATCACATACCTGGAT
CGGCTGCTCCTGATGCATCCCAACCTTACCAAGGGCTTCGGCATGATTGGCCCCAAGGACTTCTTCCCA
CTTCTGGACTTTGCCTATATGCCGAACAACTCCCTGACACCCAGCCTGCAGGAGCAGCTGTGTGACGCTC
TACCCCGGACTGAAAGTGCTGGCATTGAGCAAAAGCCGGATTCCACCCTGCATACCTACTTCCCTTCT
TTCCTGTCCAGAGCCACCCCTAGCTGTCCCCTGAGATGAAGAAAGAGCTCCTGAGCAGCCTGACTGAG
TGCCTGACGTTGGACCCCTCAGTGCCAGCGTCTGGAGGCAGCTGTACCCTAAGCACCTGTACAGTCC
AGCCTTCTGCTGGAGCACTTGTCTAGCTCCTGGGAGCAGATTCCCAAGAAGGTACAGAAGTCTTTGCAA
GAAACCATTAGTCCCTCAAGCTTACCAACCAGGAGCTGCTGAGGAAGGGTAGCAGTAACAACCAGGAT
GTCGTACCTGTGACATGGCCTGCAAGGGCCTGTTGACAGCAGTTACGGTCTCTCGGCTGCCCTGGACG
CGGCTCCTCCTGTTGCTGCTGGTCTTCGCTGTAGGCTTCTGTGCCATGACCTCCGGTACACAGCTCC
TTCCAGGCCTCCCTTACTGGCCGGTTGCTTCGATCATCTGGCTTCTTACCTGCTAGCCAACAAGCGTGT
GCCAAGCTCTACTCCTACAGTCTGCAAGGCTACAGCTGGCTGGGGGAGACACTGCCGCTCTGGGGCTCC
CACCTGCTCACCGTGGTGCGGCCAGCTTGCAGCTGGCCTGGGCTCACACCAATGCCACAGTCAGCTTC
CTTTCTGCCCCTGTGCCTCTCACCTTGCCTGGTTTGGTGACAGTCTCACCAGTCTCTCTCAGAGGCTA
CAGATCCAGCTCCCCGATTCCGTGAATCAGCTACTCCGCTATCTGAGAGAGCTGCCCTGCTTTTCCAC
CAGAATGTGCTGCTGCCACTGTGGCACCTCTTGCTTGAGGCCCTGGCCTGGGCGCCAGGAGCACTGCCAT
GAGGCATGCAGAGGTGAGGTGAGCTGGGACTGCATGAAGACAGACTCAGTGAGGCTGTCCACTGGACC
TGGCTTTGCCTACAGGACATTACAGTGGCTTTCTTGAGCTGGGCACTTGCCTGATATCCAGCAGTA**AG**

ACGCGTACGCGGCCGCTCAGACGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-MluI

ACCN: NM_017727

Insert Size: 2070 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.
RefSeq:	<u>NM_017727.4</u>
RefSeq Size:	3064 bp
RefSeq ORF:	2070 bp
Locus ID:	54867
UniProt ID:	<u>Q6NUQ4</u>
Cytogenetics:	2p23.3
MW:	77.2 kDa
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).