

Product datasheet for **SC100582**

TMEM178 (TMEM178A) (NM_152390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM178 (TMEM178A) (NM_152390) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM178
Synonyms:	TMEM178
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152390, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCGCGGGCGCTCGTCACGGCGCTCAGCCTCGGCCTCAGCCTGTGCTCCCTGGGGCTGCTCGTCA
CGGCCATCTTCACCGACCACTGGTACGAGACCGACCCCGGCGCCACAAGGAGAGCTGCGAGCGCAGCCG
CGCGGGCGCCGACCCCGGACCAAGAACCGCCTGATGCCGCTGTCGCACCTGCCGCTGCGGGACTCG
CCCCCGCTGGGGCGCGGCTGCTCCCGGGCGGCCCGGGCGCGCCGACCCGAGTCCTGGCGCTCGTCC
TGGGGCTCGGCGGGCTGGACGCCGAGTGCGGCCGGCCCTCTTCGCCACCTACTCGGGCCTCTGGAGGAA
GTGCTACTTCCTGGGCATCGACCGGACATCGACACCCTCATCCTGAAAGGTATTGCGCAGCGATGCACG
GCCATCAAGTACCACTTTTCTCAGCCCATCCGCTTGCGAAACATTCCTTTTAATTTAACCAAGACCATAC
AGCAAGATGAGTGGCACCTGCTTCATTTAAGAAGAATCACTGCTGGCTTCCTCGGCATGGCCGTAGCCGT
CCTTCTCTGCGGCTGCATTGTGGCCACAGTCAGTTTCTTCTGGGAGGAGAGCTTGACCCAGCACGTGGCT
GGACTCCTGTTCTCATGACAGGGATATTTTGACCATTTCCCTCTGTACTTATGCCGCCAGTATCTCGT
ATGATTTGAACCGGCTCCCAAAGCTAATTTATAGCCTGCCTGCTGATGTGGAACATGGTTACAGCTGGTC
CATCTTTTGCGCCTGGTGCAGTTTAGGCTTTATTGTGGCAGCTGGAGGTCTCTGCATCGTTATCCGTTT
ATTAGCCGGACCAAGATTGCACAGCTAAAGTCTGGCAGAGACTCCACGGTATGA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152390 unedited <pre> GATTTGTATACGACCACTATAGGCGGCCCGCAATTTCGACGAGGGGCGGAGAGCTGGGG CCAAGTGCATTGTGTCTGGCGGGCGCGCGAGCCACCGGCGGCTGCGGCGGGGCGGA AGCCATGGAGCCGCGGGCGCTCGTCACGGCGCTCAGCCTCGGCCCTCAGCCTGTGCTCCCT GGGGCTGCTCGTCACGGCCATCTTCACCGACCACTGGTACGAGACCGACCCCGGGCGCCA CAAGGAGAGCTGCGAGCGCAGCCGCGGGGCGCGGACCCCGGACCAGAGAAGAACCCT GATGCCGCTGTGCGACCTGCCGCTGCGGACTCGCCCCGCTGGGGCGCGGCTGCTCCC GGGCGGGCCGGGCGCGCCGACCCGAGTCTTGGCGCTCGCTCCTGGGGCTCGGGCGGCT GGACGCCGAGTGGCGCGGCCCTCTTCGCCACCTACTCGGGCCTCTGGAGGAAGTGCTA CTTCTGGGCATCGACCGGGACATCGACACCCTCATCCTGAAAGGTATTGCGCAGCGATG CACGGCCATCAAGTACCACTTTTCTCAGCCCATCCGCTTGCGAAACATTCTTTTAATTT AACCAAGACCATAACGCAAGATGAGTGGCACCTGCTTCATTTAAGAAGAATCACTGCTGG CTTCTCGGCATGGCCGTAGCCGTCCTTCTGCGGCTGCATTGTGGCCACAGTCAGTTT CTTCTGGGAGGGAGAGCTGACCCAGCACGTGGCTGGACTCCTGTTCTCATGACAGGGNA TATTTGACCACTTCCCTCTGTACTTATGCCGNCAGTATCTCGTATGATTTGAACCGCT CCCAAGCTATTTATAGCTGGCTGCTGATGTGAACATGGTACAGCTGGTCCATCTTTGCG CTGGTGCAGTTAGGCTTATTGTGCGAGCTGGATCTCTGCATCCTATCCGTATTACCCGACA GATGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152390
Insert Size:	1750 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:	NM_152390.1 , NP_689603.1
RefSeq Size:	1703 bp
RefSeq ORF:	894 bp
Locus ID:	130733
UniProt ID:	Q8NBL3
Cytogenetics:	2p22.1
Protein Families:	Transmembrane

Gene Summary:

Acts as a negative regulator of osteoclast differentiation in basal and inflammatory conditions by regulating TNFSF11-induced Ca (2+) fluxes, thereby controlling the induction of NFATC1.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).