

Product datasheet for SC111318

TMEM38B (NM_018112) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM38B (NM_018112) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM38B
Synonyms:	bA219P18.1; C9orf87; D4Ertd89e; OI14; TRIC-B; TRICB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111318 sequence for NM_018112 edited (data generated by NextGen Sequencing) <pre> ATGGATTCTCCATGGGACGAGTTGGCTCTGGCCTTCTCCCGCACGTCCATGTTTCCCTTT TTTGACATCGCGCACTATCTAGTGTCAGTGATGGCGGTGAAACGTCAGCCGGGAGCAGCT GCATTGGCATGGAAGAATCCTATTTCAAGCTGGTTTACTGCTATGCTCCACTGTTTGGT GGAGGAATTTTATCCTGTCTACTGCTTGCGAGAGCCTCCATTGAAGTTTCTTGCAAACCAC ACTAACATATTACTGGCATCTTCAATCTGGTATATTACATTTTTTTGCCCGCATGACCTA GTTTCCCAGGGCTATTCATATCTACCTGTTCAACTACTGGCTTCGGGAATGAAGGAAGTG ACCAGAACTTGAAAAATAGTAGGTGGAGTCACACATGCTAATAGCTATTACAAAAATGGC TGGATAGTCATGATAGCTATTGGATGGGCCCGAGGTGCAGGTGGTACCATTATAACGAAT TTTGAGAGGTTGGTAAAAGGAGATTGGAACCAGAAAGGTGATGAATGGCTGAAGATGTCA TACCCTGCCAAGGTAACCCTGCTGGGGTCAGTTATCTTCACATTCCAGCACACCCAGCAT CTGGCAATATCAAAGCATAATCTTATGTTCTTTATACCATCTTTATTGTGGCCACAAAG ATAACCATGATGACTACACAGACTTCTACTATGACATTTGCTCCTTTTGAGGATACATTG AGTTGGATGCTATTTGGCTGGCAGCAGCCGTTTTCATCATGTGAGAAGAAAAGTGAAGCA AAGTCACCTTCCAATGGCGTTGGGTCAATTGGCCTCAAAGCCGGTAGATGTTGCCTCAGAT AATGTTAAAAAGAAACATACTAAGAAGAATGAATAA </pre>

Clone variation with respect to NM_018112.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018112 unedited
 GTTCCTATTTGTATACGACTCACTATAGCGGCCGCGAATCGGCACGAGGGCGCGAGCGC
 GGGGAACCACTAGCCGCGGCTGCTTCGGTTGCCGCGGTGGTGGTTCGTTATGGATTCTCC
 ATGGGACGAGTTGGCTCTGGCCTTCTCCCGCACGTCCATGTTTCCTTTTTTGACATCGC
 GCACTATCTAGTGTCAGTGATGGCGGTGAAACGTACGCCGGGAGCAGCTGCATTGGCATG
 GAAGAATCCTATTTCAAGCTGGTTTACTGCTATGCTCCACTGTTTGGTGGAGGAATTTT
 ATCCTGTCTACTGCTTGCAGAGCCTCCATTGAAGTTTCTTGCAAACCACTAACAATATT
 ACTGGCATCTTCAATCTGGTATATTACATTTTTTTGCCCGCATGACCTAGTTTCCAGGG
 CTATTCATATCTACCTGTTCAACTACTGGCTTCGGGAATGAAGGAAGTGACCAGAACTTG
 GAAAAAGTAGGTGGAGTCACACATGCTAATAGCTATTACAAAAATGGCTGGATAGTCAT
 GATAGCTATTGGATGGGCCCCGAGGTGCAGGTGGTACCATTATAACGAATTTTGAGAGGT
 GGTAAAAGGAGATTGGAACCAAGGTGATGAATGGCTGAAGATGTCATACCCTGCCAA
 GGTAACCTGCTGGGTCAGTTATCTTCCATTCCAGCACACCCAGCATCTGGCAATATC
 AAAGCATAATCTTATGTTCTTTTATACCATCTTATTGTGGCCCCAAAGATCACCATGATG
 ACTACACAGACTTCTACTATGACATTTGCTCCTTTGNAGATACATTGAAGTGGATGCTA
 TTTGCCTGGCAGAGCCGTTTCATCATGTGAGAAGGAAAGTGCAGCAAAGTCACCTTC
 CATGGCCGTTGGGTCACTGGCCCTCACAGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018112 unedited
 GCCGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTCTGCTAAATAACTTATTTTAATA
 AATTTATCTTTAATAACAAGTGAAAACAAGAGTCCTTCCATTTCACTACAGTTAAACCC
 AAACCTCAAACTGGTCAATAATTAACAATGTATTAATTTTGAAGTTTTTAACTGTAA
 GAGTATCAAAATAATACAGAGCTCTAAATACTTAAAGCTTTCTGTACAATATTAATA
 ATAAACTTCTTAGCATTCCAAGACTATGAAAAGTGCCCTCCCAATTTTTTAAGCAAG
 TAATAGTATCTGCTGGTGTATATTTGTTAAAAATTTAAATAACAACAACAAAAAAA
 AACTTCTAACTGAATGTGATGTGACTTGAGTACTTCTAAACCATCGAAAATACCTGATA
 CGGGGAGTAGGTCATGGTTTTGGTAAAAGAACTATGTCACAGAGTTTTAATATTATAA
 CTGGACTTCTAAATCATAAAGTAAGAAATTAACATCATTTAGTATCTTTCTTGTGTG
 TTTTATTTTGTGAAGAAGGAACAGATTTTATATCATCATTCTTCATCTAAATGGACTG
 CCATATGAAGTTCTGGTTTCTCTGTTTCTTCTGGTTAGCTGGTACTACCAATGCCTA
 AGGACAATTCTCAGAGCATTTCCACATGAAGGTGATTAGTTTTTCAATTAATAAATAAT
 ACCACATTACATGTGGATGAAAATATAACAAACCCCTACGAAAGCTTGTGAGAGATATTC
 ACTAGAAAATAAAACAGTAGCCACTAGAATAAAGACTAGTGGGAAAAATTTTGACGGA
 TATGCTCTTGTGATAATACAGTATTACTACCATTTTTTCCGACCCACAAGTATTGAAGA
 CCTCGCAATGCTGAGAAATCTCCACATTAAACAAAGGTTTTTGAAAAAAAATACCAG
 CTCCTAAGGAATTCAACTAG

Restriction Sites:

NotI-NotI

ACCN:

NM_018112

Insert Size:

2690 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_018112.1, NP_060582.1</u>
RefSeq Size:	2076 bp
RefSeq ORF:	876 bp
Locus ID:	55151
UniProt ID:	<u>Q9NVV0</u>
Cytogenetics:	9q31.2
Domains:	DUF714
Protein Families:	Transmembrane
Gene Summary:	This gene encodes an intracellular monovalent cation channel that functions in maintenance of intracellular calcium release. Mutations in this gene may be associated with autosomal recessive osteogenesis. [provided by RefSeq, Oct 2012]