

Product datasheet for **SC320683**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_018112.1

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CGGCCGCGGCTGTGCCCTCTCTACTCCTCACC GCGCGAGCGCGGGGAAC CAGTAGCCGC
GGCTGCTTCGGTTGCCGCGGTGGTGGTCGTTATGGATTCTCCATGGGACGAGTTGGCTC
TGGCCTTCTCCCGCACGTCCATGTTTCCCTTTTTTGACATCGCGCACTATCTAGTGTCAG
TGATGGCGGTGAAACGTCAGCCGGGAGCAGCTGCATTGGCATGGAAGAATCCTATTTCAA
GCTGGTTTACTGCTATGCTCCACTGTTTTGGTGGAGGAATTTATCCTGTCTACTGCTTG
CAGAGCCTCCATTGAAGTTTCTTGCAAACCACTAACA TATTACTGGCATCTTCAATCT
GGTATATTACATTTTTTGGCCGCATGACCTAGTTTCC CAGGGCTATTTCATATCTACCTG
TTCAACTACTGGCTTCGGAATGAAGGAAGTGACCAGA ACTTGAAAAATAGTAGGTGGAG
TCACACATGCTAATAGCTATTACAAAAATGGCTGGATAGTCATGATAGCTATTGGATGGG
CCCGAGGTGCAGGTGGTACCATTATAACGAATTTTGAGAGGTTGGTAAAAGGAGATTGGA
AACCAGAAGGTGATGAATGGCTGAAGATGTCATACCCTGCCAAGGTAACCCTGCTGGGGT
CAGTTATCTTCACATTCCAGCACACCCAGCATCTGGCAATATCAAAGCATAATCTTATGT
TCCTTTATACCATCTTTATTGTGGCCACAAAGATAACCATGATGACTACACAGACTTCTA
CTATGACATTTGCTCCTTTTGAGGATACATTGAGTTGGATGCTATTTGGCTGGCAGCAGC
CGTTTTTCATCATGTGAGAAGAAAAGTGAAGCAAAGTCACTTCCAATGGCGTTGGGTCAT
TGGCCTCAAAGCCGGTAGATGTTGCCTCAGATAATGTTAAAAAGAAACATACTAAGAAGA
ATGAATAAATTTACGTGATGAGCTCTAAAAAAAAAAAAA TAAAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites: Please inquire

ACCN: NM_018112

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).


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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_018112.1</u> , <u>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]