

Product datasheet for **SC307355**

TMEM119 (NM_181724) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM119 (NM_181724) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM119
Synonyms:	OBIF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_181724 edited</p> <p>CTGGGGGCACCATGGTTTCGGCGGCAGCCCCAGCCTCCTCATCCTTCTGTTGCTGCTCC TGGGGTCTGTGCCTGCTACCGACGCCCGCTCTGTGCCCCGAAGGCCACGTTCTGGAGG ATGTGGCGGGTAGTGGGGAAGCCGAGGGCTCGTCGGCCTCCTCCCGAGCCTCCCGCCAC CCTGGACCCCGGCCCTCAGCCCCACATCGATGGGGCCCCAGCCACAACCCTGGGGGGCC CATCACCCCCACCAACTTCTGGATGGGATAGTGGACTTCTCCGCCAGTACGTGATGC TGATTGCTGTGGTGGGCTCCCTGGCCTTCTGCTGATGTTTCATCGTCTGTGCCGCGGTCA TCACCCGGCAGAAGCAGAAGGCCTCGGCCTATTACCCATCGTCTTCCCAAGAAGAAGT ACGTGGACCAGAGTGACCGGGCCGGGGCCCCCGGCCCTTCAGTGAGGTCCCCGACAGAG CCCCCGACAGCAGGCCCGAGGAAGCCCTGGATTCTCCCGGCAGCTCCAGGCCGACATCT TGGCCGCCACCCAGAACCTCAAGTCCCCACCAGGGCTGCACTGGGCGGTGGGGACGGAG CCAGGATGGTGGAGGGCAGGGGCGCAGAGGAAGAGGAGAAGGGCAGCCAGGAGGGGGACC AGGAAGTCCAGGGACATGGGGTCCCAGTGGAGACACCAGAGGCGCAGGAGAGCCGTGCT CAGGGGTCTTGAGGGGGCTGTGGTGGCCGGTGAGGGCCAAGGGGAGCTGGAAGGGTCTC TCTTGTTAGCCAGGGTGCCAGGGACAGTGGGTCCCCCGAAAGCCCTGTGCTTGCA GCAGTGTCCACCCAGTGTCTAA</p>
Restriction Sites:	Please inquire
ACCN:	NM_181724
Insert Size:	900 bp


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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	The ORF was fully sequenced and it matches with NM_181724.1.
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:	<ol style="list-style-type: none"> 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_181724.1 , NP_859075.1
RefSeq Size:	2586 bp
RefSeq ORF:	852 bp
Locus ID:	338773
UniProt ID:	Q4V9L6
Cytogenetics:	12q23.3
Protein Families:	Transmembrane
Gene Summary:	<p>Plays an important role in bone formation and normal bone mineralization. Promotes the differentiation of myoblasts into osteoblasts (PubMed:20025746). May induce the commitment and differentiation of myoblasts into osteoblasts through an enhancement of BMP2 production and interaction with the BMP-RUNX2 pathway. Upregulates the expression of ATF4, a transcription factor which plays a central role in osteoblast differentiation. Essential for normal spermatogenesis and late testicular differentiation (By similarity). [UniProtKB/Swiss-Prot Function]</p>