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Product datasheet for SC215995

TMEM119 (NM_181724) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TMEM119 (NM_181724) Human 3' UTR Clone
Symbol:	TMEM119
Synonyms:	OBIF
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_181724
Insert Size:	1711 bp

View online »

Insert Sequence:

>SC215995 3'UTR clone of NM_181724
The sequence shown below is from the reference sequence of NM_181724. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTTGCAGCAGTGTCCACCCCAGTGTCTAACAGTCCTCCCGGGCTGCCAGCCCTGACTGTCGGGCCCCC
AAGTGGTCACCTCCCCGTGTATGAAAAGGCCTTCAGCCCTGACTGCTTCCTGACACTCCCTCCTTGGCC
TCCCTGTGGTGCCAATCCCAGCATGTGCTGATTCTACAGCAGGCAGAAATGCTGGTCCCCGGTGCCCCG
GAGGAATCTTACCAAGTGCCATCATCCTTCACCTCAGCAGCCCCAAAGGGCTACATCCTACAGCACAGC
TCCCCTGACAAAGTGAGGGAGGGCACGTGTCCCTGTGACAGCCAGGATAAAACATCCCTCAAGGCTGGG
TGTGGAGGCTCACACCTGTAATCTCAGCATTTTGGGAGGCCAAGTGCGGACATCACTTGAGACCAGGAG
TTCCAAACCAGCCCTGGCAACATTGTGAGACCCATCTCTATAAAAACAAAAAACAGTCCACTAAATCAG
CCACATTAATTGGGAATCATATGTCACAGGTCATTTGTGGGGCAAACATCACTGCTTTTCCATCAAGGG
AGCAAAGAATAAGTGGGAGTTTTGGAAGAGTTTGGATGAGAGACGCCAAGGTGCCCAGCGTTCGTAAGG
CAACATGCAGCCTGGCGTGAAGCAGTATTTTGAAACTGCAAATGGTTCCCTTCTTGTGTCCTTTCAATG
CTGAATATTTTAGTGTCATTCTGCCTGTGCTCAGAGCTCCAGCAGCAGAAGTGTGTGTGGTTAATTAGG
ACACTTCTGTGAGAGGACCCCTGCACACATTACGACAGGTCCCTAAATGAGCATTTCCCAAACTAGGTT
CCCCGAGGCACTCTACGGAAACAAGATTTTTTTTTTTGAGACGGAGTCTCGGTCTGTCACCCAGGCTGG
AGTGCAGTGGTGCAATCTTGGTGCAATCTTGGCTCAGTGCAATCCGCCTCCCAGGTTCAAGCGATTCTC
CCGCCTCAGTAGCTGGGATTACAGGTGCCCACCACTGCGCCCAGCTAAATTTTGTATTTTTAGTAGAGA
TGGGGCTTCACCATGTTGGCCAGGCTGGTCTGGAACTCCTGACCTTCAGGTGATCCACCTGCCTCTGCC
TCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGTGCCCGGCCCAAACTACTTTTTAAAACAGCTACA
GGGTAAAATCCTGCAGCACCCACTCTGGAAAATACTGCTCTTAATTTTCCTGAAGGTGGCCCCCTGTTT
CTAGTTGGTCCAGGATTAGGGATGTGGGGTATAGGGCATTTAAATCCTCTCAAGCGCTCTCCAAGCACC
CCCGGCCTGGGGGTGAGTTTCTCATCCCGCTACTGCTGCTGGGATCAGGTTGAATGAATGGAACTCTTC
CTGTCTGGCCTCCAAAGCAGCCTAGAAGCTGAGGGGCTGTGTTTGAGGGGACCTCCACCCTGGGGAAGT
CCGAGGGGCTGGGGAAGGGTTTCTGACGCCCAGCCTGGAGCAGGGGGGCCCTGGCCACCCCCTGTTGCT
CACACATTGTCTGGCAGCCTGTGTCCACAATATTCGTCAGTCCTCGACAGGGAGCCTGGGCTCCGTCCT
GCTTTAGGGAGGCTCTGGCAGGAGGTCCTCTCCCCCATCCCTCCATCTGGGGCTCCCCCAACCTCTGCA
CAGCTCTCCAGGTGCTGAGATATAATGCACCAGCACAATAAACCTTTATTCCGGC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_181724.3

Summary: 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]

Locus ID: 338773

MW: 62