

Product datasheet for **SC102227**

TMEM120B (AK094258) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM120B (AK094258) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM120B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK094258, the custom clone sequence may differ by one or more nucleotides

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TCTTCTCTGTATTTCTCTTTTATACTAGAATATTTAAAAAGCCAGGTATAATGAAGTGCATAGGAGCTAAA
TAGAAGCAGCTTTGAATACCTTCATTTTATGTAGATGTTCCAAGAGCTTGCCAGGCTTCCTCTCTCTCC
CTTCCTCTCTCTCCCTTCGCCTGTCGAGTCTAAGGAGACCTGGCAGCCTGAGATACCTTGGGTGTTTCAG
GGAGATCTTGAAGGCAGGCGCCTTTGAGGTACGCACCTACCAAAAATGTCACATCACCACCGTTCTGTT
GTTTCACATTGAATGTGAAAGATTCACTAAAAGGTTAATTTCCAGTCTTGTCAAATGTAGATCATTAAAG
GCATTGCCTTTTCATGGTACAGCTGACAAAAGTCAGGAGCCAAGAGGGAAGGCAGATGCAAAGGTTGAAT
AGGCCAAATACTGTGAGAAGCCCTTTGGAAAACCATCAGGTATTTTTATCTGTACTCAGCAGAAGTAG
TGATTGGTGACTATTTGCGGAAGGAACTGGACGGGTGTCTGCCTTTTTAAATGTTAAAAAGGCCCTGT
CTATTCTAGGAATGGTTTGTATAATTATTTTTTTCATTCTTGCCTTTATTCTAGAATAGAGATTGCCCAT
ATTTTAAAAAATGCTTTTCATGTTTCTATTTGTTTTGATTTCTAGAACCATGTTTATAGTACAAAAACA
CCAGATTGAAGGATGGTCCATCTGGTATCTTTGGCTTTCATAAAAGCCAGTTTGAATCACATCATGGTTG
ATCCAATGGCTGGAAAACACATATTTACCAAAAATATGGTTAATCCGTACTTCTGAATAATCCTGGGTT
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ATGGGATTGAGAGAGTTCAGATAGGAATTTTAGTTTTCCATTTAAGAGCAACTGCCTTTGGACAAGAT
GCTTAACGTCTCTGAACCTCAGCTTCTTCATCTAATGGAAGGATGCTAATAACCACCTCAGAGATTAG
GGTAGTGCTAAATGAGAAAGCCCATGTAGGAATACTTACTGTGCGAGCCAGCAAATTCATAGCGCACACT
CCAAAACGGGTGCTCACTATTGACAATGTCATTTCTGGTTTCTTATTTTTGATTAGCTCTTTCTTTA
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ATTTGGGTTGATAGCTGATTAATTGAATATTTAAGAGTTGTTTATTGCTTGTAACAGCATGGTTTTCTA
AGACATTGCATTTAATTAAGCATGCTTTTCAATAACACTAGTTACCTTGACCAACTGGAGTTACTGCT
TCACATAAAGGACTATTACCTGTCAAGAGACATTTACTCTGCTGGATGAAGAACTGAGGAAGAGTGCAT
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AGCTGGAATTTTGAAGCAGCTCCGTTTGTCTAAAGTCATTTGTAGGGTGGGCTAATAATGGCCTGG
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CTCTGTAACATTAGCCAAAAATAAATATTAATTTCTCACTGTGGCCTCGGTCCCTTAGTGAAGCCATGC
TTACTCCAGGAAGTGTGCGATGAAGAGTGGTGAATAATCTGAATGAAAAGCAGCCCTCAAAAATGTTAA
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AGCCAGACGTGGTGGTGTGCACCTGTAGTCCCAGCTATTCAGGAAGCTGAGGTGGGAGGATTGATTGAGC
TCAGGAGGTGGAAGCTACACGGAGCCGTGATCTACCCCTGCACTCCAGCCTGGGCAACAGAGTGAGACG
CTGCCTCACTGCTCCCCACC
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK094258 unedited
 ACGACTCACTATAGGGCGGCCGCGAATTCGGCAGCAGGCTGCATTGGGGGGCTTGACAAT
 AAGAAACAATATTCTGACTCTTTCTGTATTTCTCTTTATACTAGAATATTTAAAGGCC
 AGGTATAATGAAGTGCATAGGAGCTAAATAGAAGCAGCTTTGAATACCTTCATTTTATGT
 AGATGTTCCAAGAGCTTGCCAGGCTTCCTCTCTCCCTTCCTCTCTCCCTTCGCCT
 GTCGAGTCTAAGGAGACCTGGCAGCCTGAGATACCCTTGGGTGTTGAGGAGATCTTGAA
 GGAGGCGCCTTTGAGGTACGCACCTACCAAAAATGTCACATCACCACCGGTTCTGTTGT
 TTCACATTGAATGTGAAAGATTCACTAAAAGTTAATTTCCAGTCTTGTCAAATGTAGAT
 CATTAAAGGCATCGCCTTTTCATGGTACAGCTGACAAAAGTCAGGAGCCAAGAGGGAAGG
 CAGATGCAAAGGTTGAATAGGCCAAATACTGTGAGAAGCCCTTTGGAAACCACATCANGT
 ATTTTTATCTGTACTCAGCAGAAGTAGTGATTGGTGACTATTTGCGAAAGAACTGGAC
 GGGTGTCTGCCTTTTAAATGTAATAAGGCCCTGTCTATTCTANGAATGGTNTTGATATN
 ATTTTTTTCATTCTTTGCCNTTATTCTAGAATAGAGATTGCCCATATTTTAAACAAGCCT
 TTCATGTTTCTATTTGGTTTGATTCTAGAACCATGTTTAGATGACCAAAACACCAGATT
 GAAAGATGCCCCATCTGGGATCTTTTGGCTTTCATAAGCCAGTTTGATTACATCATGGT
 TGATCCAAGGCTGAAAAACATATTACCAAAATATGGNTAATCCCCACCTCTGATATT
 CCCGGGTTTGACTTCTTAANTTCTCCCCTTTTACTTCCTTGTGAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for AK094258 unedited
 NTCCTGATGNATAGGNNCTACTCTGGNATNCGATTGAGGACGGCCCCCTTNNNNGGGGGG
 GGAGTAGTGAGGCTGCGTCTCACTCTGTTGCCAGGCTGGAGTGCAGGGGTGAGATCAGG
 GCTCCGTGTAGCTTCCACCTCCTGAGCTCAATCAATCCTCCACCTCAGCCTCCCGAATA
 GCTGGGACCACAGGTGCACACCACACGTCGGTTTTTTTTTGTATTTTAGTAGAGACA
 GGGGGGGGAGCATGCTGCCCAGACCGGTCTCGAACTCCATGGCTCAAGGGATCCACCCGC
 CTCGGCCTCCCAAAGTGCTGGGACCACAGGCGTGAGCCACCGTGGCCGGCCTAAACACA
 GTCTTGAACCTATCTGGTTAAGTACAAGGTGCTAAAGGTGCCACTTGACCATCCTAAGCC
 TCCTCTTCTTTTCCCCATTTCTCACTTTTTTAAATTCGAATTTATTTTTTGGTGTA
 GCTTAATAGCATGGGTTTTAACATTTTTGAGGGCTGCTTTTATTGAGATTTTACCAC
 TCTTCATCGCAGCAGTTCTGGAGTAAGCATGGCTTACTAAGGGACCGAGGCCACAGTG
 AGAATTAATATTTATTTTTGGCTAATGTTTACAGAGTGCCTTAAGCTGTTGAGCAAAAA
 TCACCTATTTTCCCAAAGAAACACACTCATTTCACTTCTTTACCGTCTCTCCGCCCTA
 CAATGCCTTGCAAGGTGTCAAGTTCTTTAGGTGTTTTTATGTTTCAAGTTCTGTGCCCCA
 GGCGATTATTTGCCCCCCTACCAATGACTTTAGCAAAAGGAGCTGGCTCAAAATTC
 ACCTGGTTTTTACAGTATACTCTACAACAGACCCAGGCGGAAATGCTTCTGCCTGGATT
 TTTTCAACATGAGAAATTCCTTCGATTGT

Restriction Sites:

NotI-NotI

ACCN:

AK094258

Insert Size:

2500 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: [AK094258.1](#)

RefSeq Size: 2471 bp

RefSeq ORF: 2471 bp

Locus ID: 144404

Cytogenetics: 12q24.31

Protein Families: Transmembrane

Gene Summary: Necessary for efficient adipogenesis.[UniProtKB/Swiss-Prot Function]