

Product datasheet for **SC127634**

TMEM18 (AL137269) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM18 (AL137269) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM18
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 AL137269, the custom clone sequence may differ by one or more nucleotides

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GGCAGATCTCACGAGAGAGGATTTGGCGCCCTCCTCTGTGGATTCTGGCCAGGCCGGGTTCCGGCGGTTGC
TGTGAGAGCGGGCTTCCCAACACCATGCCGTCCGCCTTCTCTGTCAGCTCTTTCCCCGTGAGCATCCCAG
CCGTGCTCACGCAGACGGACTGGACTGAGCCCTGGCTCATGGGGCTGGCCACCTTCCACGGCTCTGCGT
GCTCCTCACCTGCTTGTCTCCCGAAGCTACAGACTACAGATCGGGCACTTTCTGTGTCTAGTCATCTTA
GTCTACTGTGCTGAATACATCAATGAGGCGGCTGCGATGAACTGGAGATTATTTTCGAAATACCAGTATT
TCGACTCCAGGGGATGTTCAATTTCTATAGTATTTTCAGCCCACTGCTGGTGAATGCCATGATCATTGT
GGTTATGTGGGTATGGAAGACTTTGAATGTGATGACTGACCTGAAGAATGCACAAGAGAGAAGAAAGGAA
AAGAAAAGGAGAAGGAAAGAAGACTGAGGGGCAGCAGCTGCTTGGAGTTTGCCTCCTTCCCGTCCACCCA
GTGCAGCTCCCAGTGTGCACTGTGCGTGGCGTGGGCATCCTTCCAGCTGACTCATGGTTTGAAAAACCG
TTGTTTTATTTAAATATCCACAGTGGTAGGGCACACACTGAAGTTGGCTTTTCAGCCAGCACTGAATGTA
TCCATCAGGACATGCGTCTTCCAGGTGCCTGATCTTTGTAGTCAGGCTGTGGGAACGGTCTCTGCAGAGCT
TCATAACTGGGAATTTGATTTGAAGAAGTCCATGTCATATGTGTAAGTACTAATTATAAATATAAAA
TACACAATATAAAATATGAAACTCAATAATAAACAGTGCCACCTGTACATGGGCACCATGCCCTCCTCCT
CGTGCTGTGTTTTCTAGTGCATGCCACAGTTCCGAGTAGAGGGTGTTCACCTTCCAAGACATGGGGCA
AAGTTTGGAGACACCTGGTTGTCCTGAGGGGGTGGTGTCTTGGCTTCTCCTGTGGAGCCCGGGTGA
TGCATAAAATCCTGTGTGCTGGGTGAGCCGCATCACAGACAATGACTTGACATGAAATGTCAGCTGTGC
TGGGGCAGAGAGACCTTGAAGGAAGCTTTGAAAATACGTTGTATCTCAGTTTGTGATGAACCAATTCAC
ACACTCCATGGAGAAGCGTGTCTTTCTAATGTCCTGGTGTCTGTTGATTTAGGTGCTTGGGAACACAA
TGCTCCCAGTTCTGTTAGGACAGGCATACTGTTACTTTGCAATATCCACTTTATAAAATAGCTCCTGCC
AGTGGCTCTTGGTTCTGTCAAATGTGGACCTGTAGTTTAAAGATGACAGGTGGTTAGAGACCCAGATAT
TTAAAAATAGGTGTTCAATAAGGGAATACTGATTGTGCATTGTATCTGGATAGCATGCCTAATTGTGCAT
TTCTGAAAGTTACCAATTCAAAAATGTAATTGGAACAGTTATCTTTGATTAGACAAGCCTGGGAAGAGAAT
GTTGAGGTGCAGAGCTCACCAGCCAAGTTCATGCCCTCTCGGGCCTTTGTGGCTGAGAAGTGGGACAGA
AAGATGATTAAGGTAATGTCTCCTCCTGTAGCATTGTCCAGGGCCGTTGTGTAGATATTTGACTTCACT
GACAGAAAAGAAACCAGGAGTTTGTAGAGACTGTGCATTTTTAGTATAACATTTTCACCATCTGATATG
GTTTGGCTTTGTGTCCCAACCAATTGCATCTCAAATGTAATCCCATGTGTCAAGGGAGGGACCTGA
TGGGAGGTGATGGGATCATGGGGTGGTTTCCCTATGTTGTTATCATAATAGAGAGGGAGTTCTCACAA
GATCTGCTGGTTTTAAAGACAGCAGTTTCCCTGCTGCTACTGTCTCTCTCCTGTGCCTTGTGAAGAAG
GTGCTTGTCTCCTCTGCCATGATTGTAAGTTTCCCGAGGCCTCCCGGCCATGTGGAAGTGAAGTCAA
TTAAACTTCTGTTTATAAAGTAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AL137269 unedited TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGGATTCTGGCCAGG CCGGGTTCCGGCGTTGCTGTGAGAGCGGGCTTCCCAACACCATGCCGTCCGCCTTCTCTG TCAGCTCTTTCCCGTCAGCATCCCAGCCGTGCTACGCAGACGGACTGGACTGAGCCCT GGCTCATGGGGCTGGCCACCTTCCACGCGCTCTGCGTGCCTCACCTGCTTGTCCCTCCC GAAGCTACAGACTACAGATCGGGCACTTCTGTGTCTAGTCATCTTAGTCTACTGTGCTG AATACATCAATGAGGCGGCTGCGATGAACTGGAGATTATTTTCGAAATACCAAGTATTTTCG ACTCCAGGGGATGTTCAATTTCTATAGTATTTTCAGCCCACTGCTGGTGAATGCCATGA TCATTGTGGTTATGTGGGTATGGAAGACTTTGAATGTGATGACTGACCTGAAGAATGCAC AAGAGAGAAGAAAGGAAAAGAAAAGGAGAAGGAAAAGAAGACTGAGGGGCAGCAGCTGCTT GGAGTTTGCCTTCCCGTCCACCCAGTGCAGCTCCCAGTGCAGTGTGCGTGGCGT GGGCATCCTTCCAGCTGACTCATGGTTTAAAAACCGTTGTTTTATTTAAATATCCACA GTGGTACGGCACACACTGAGTTGGCTTTTCAGCCGCACTGAATGTATCCATCAAGACAT GCGTTNTCAGGGTGCCTGATCTTTGAAGTCAGGCTGTGGGAACGGTCTCTGCAAAGCTTC ATAACTGGCAAATGATTTGAAGAAGCCCTGTCATATGTGTTACTCGCCCTANNTTAA TTTAAATCCCCTTTTAAATATTGAAACTCATTATAAACAGGGCCCACTGTGCATAGGG CCCCATGCCCTTCTCCTCGTAAAAAAAAAAAAAAAAANAAAAAACTCTGCTCTATATGG GGCCGGGGCTAACTTGT
Restriction Sites:	NotI-NotI
ACCN:	AL137269
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:	<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:	<u>AL137269.1</u> , <u>CAB70668.1</u>
RefSeq Size:	2138 bp
RefSeq ORF:	2138 bp
Locus ID:	129787
Cytogenetics:	2p25.3
Protein Families:	Transmembrane

Gene Summary:

Transcription repressor. Sequence-specific ssDNA and dsDNA binding protein, with preference for GCT end CTG repeats. Cell migration modulator which enhances the glioma-specific migration ability of neural stem cells (NSC) and neural precursor cells (NPC). [UniProtKB/Swiss-Prot Function]