

Product datasheet for **SC103425**

TMEM87B (NM_032824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM87B (NM_032824) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM87B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC103425 sequence for NM_032824 edited (data generated by NextGen Sequencing)

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ATGGTCGCCCGCTGCCGCTCGGTAGCCGGGCTCCTGCCACGCCGCCGCCGCTGCTTTCCC
GCCCCGGGCCCCGCTGCTGCGCGTCGCCCTCTGCCCTCTGTGCTGGACCCCGGCGGCTGTG
CGCGCGGTCCCTGAGCTCGGGCTCTGGTTAGAGACAGTCAACGACAAATCAGGACCTTTG
ATATTTAGGAAACTATGTTAACTCTACAGATATCAAGTTATCTGTTAAGTCATTCCAT
TGTTCTGGGCTGTGAAGTTTACCATAGTGTGGCATTGGAAGTATCATACCTGTCACAAT
GAGCATTCTAATCTGGAAGAGCTGTTCCAAAAACATAAACTTAGTGTGATGAAGACTTT
TGTCATTATTTGAAGAATGACAAGTGTGGACAACAAAAATGAAAACTTAGATTGCAAC
AGTGATTCACAGGTGTTCCCTCTTTGAATAATAAAGAACTAATAAATATCAGAAATGTT
TCAAAACAGGAAAGATCAATGGATGTTGTAGCCAGAACACAAAAAGATGGGTTTCATATC
TTTATTGTTTCTATTAACGAGAGATACAGATGCAAGCTGGAATTTGAATGTTTCTCTT
TCTATGATTGGGCTCATGGATATATCTCTGCATCAGATTGGCCCTAATGATTTTTTAC
ATGGTGATGTGATTGTTTATATATTATATGGCATACTCTGGCTGACGTGGTCTGCCTGT
TATTGAAAGATATATTAAGAATCCAGTTCTGGATTGCAGCTGTTATTTTTTGGGAATG
CTTGAAAAAGCAGTTTTTTATAGTGAATACCAAAACATCAGCAAACTGGACTGTCAACC
CAAGGCTTATTGATATTTGCGGAGTTGATTTCTGCGATTAAGAGGACGTTGGCTCGCCTT
CTCGTGATCATTGTGAGCCTGGGCTATGGCATTGTGAAGCCTCGTTTAGGAACAGTCATG
CACC GG GTGATCGGACTGGGCTTCTATACTTAATCTTTGACGCTGTTGAAGCGTGATG
AGAGTCATTGGGGTCTTAACCATTTAGCTGTTGTTCTTGATGACATTATTTAGCAGTT
ATTGACTCCATTTTGTGTGGTTCAATTTTATTAGTTTGGCACAACCTATGAAGACCCTA
AGGCTAAGAAAGAACTGTGAAATTTTATTATATAGACATTTTAAAACTACTCTGATC
TTTGCTGTGCTGGCTTCTATAGTGTGTTATGGGGTGGACAACCTAAGACATTTAGAATTGCA
AAATGCCAATCAGATTGGATGGAACACTGGGTTGACGATGCAATTTGGAGCTTCCTTTTT
TCGCTTATCCTTATTGTATCATGTTTTTGTGGAGACCATCAGCAAAACATCAGAGATAT
GCCTTCATGCCCTTAATAGATGATTCTGATGATGAAATTGAGGAATTCATGGTAATTCT
GAAAAATTAACCGAAGGAATAAAATTAAGAGCCTCAAAATCAGTTTCCAATGGAACAGCT
AAGCCTGCCACTTCTGAGAACTTTGATGAAGATTTGAAGTGGGTAGAAGAAAATATTCCC
TCTTCATTACAGATGTAGCTCTCCAGTGTTAGTGGATTGAGATGAGGAAATCATGACC
AGATCTGAAATGGCTGAAAAAATGTTCTCTTCAGAAAAGATAATGTGA
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Clone variation with respect to NM_032824.2
1286 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032824 unedited

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GGATTTTGTAAATACGACTCACTATAGGGCGGCNCGGATTCGGCACGAGGCCTATCTCTG
CCTTCCGGCATCTCCAGCTGCACGCTCGGGCCCGGCTCAGAGCCCTAAGCCCTGCCTCC
CGGTCTGGCCGGGTTTCCAGAACTGCACGGCGCCTCTCCGCCAGGCCCAAGCGCGAG
CCCCTCTCCACACCCGAGTCCGAGCCCGCGTCCCGGATTCCGACCCGCTGCCTGGGG
CGGTGCTGCACCAAGGTGCGGGTGTGGCAGGCGTCTCGGAGCGCCAGGTGCAGCTTCTGG
TCAAGATGGTCGCCCGCTGCCGCTCGGTAGCCGGGCTCCTGCCACGCCGCCGCCGCTGCT
TTCCCCGCCCGGGCCCCGCTGCTGCGCGTCGCCCTCTGCCCTCTGTGCTGGACCCCGGCGG
CTGTGCGCGCGGTCCCTGAGCTCGGGCTCTGGTTAGAGACAGTCAACGACAAATCAGGAC
CTTTGATATTTAGGAAACTATGTTAACTCTACAGATATCAAGTTATCTGTTAAGTCAT
TCCATTGTTCTGGGCTGTGAAGTTTACCATAGTGTGGCATTGGAAGTATCATACCTGTC
ACAATGAGCATTCTAATCTGGAAGAGCTGTTCCAAAAACATAAACTTAGTGTGATGAAG
ACTTTTGTCAATATTTGAAGAATGACAAGTGTGGACAACAAAAATGAAAACTTAGATT
GCAACAGTGATTACAGGTGTTTCCCTCTTTGAATATAAAGAACTAATAAATATCAGAAAT
GTTTCAAACAGGAAAGATCAATGGATGTTGTAGCCAGACACAAAGATGGGTTTCATAT
CTTTATTGGTTCTATTANAACGGAGATACAGATGCAAGCTGGAANTTGAATGTTTCTCTT
TTCTATGATGGGCTCATGGATATATCTCTGCATCAGATGGNCCCNNTATGATNNNTTAC
ATGGNGATGNGGATGGNTATAATATATATGCTACTCT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032824 unedited <pre> GCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGGCCGGTTAAGATTTTAATG TTTTCTTAATCAAAATCTCTGAAGTCATTCTCAATTTACAAGGTTAGAACTCCTTCAAA GAAAAGACATACAAGACTCTAGCTTTAATTATTATTCTAAATGTCCACTAGCCCTGTATC TTTGGTCATGAAAGCAGCAAAACATTACATTTTCATCATACTACATTCAATTGCCTTTC AAGTTTAGAACATTCTACATTTTAAAAAAGACATTAAGCAAAAGATTTTCATATTACAC ATTACAAATATATGATGTAACGAAATAAGGTATAAAACATGGTTGAAGCTTAAGAAATTA ATTATAAAATCAATAGTGATGTAGCATGCAACTAAATGTATGTTTTTATTATGAAATGTA ATATGCCAAGATTATGTAAAAGATACAGTTCTAATTTCCACAAAGTTCACCAGTAATGGG TCTCCCAGCTTGCCAGTTAGGAAGTGCTCTGGGGGAGCCAGTGCCACCACCCACCCCA GCACACTCAGCAGCATCGCATGTACACATGCCCTGAGTGAGGGACAATGAGGGTCATTTT TTTGTAGTGACCCTCAAGACATCTCTCTGTGCACTTGTGTTCCCTGAGCTCAGAGA AGACCTAACTCCATGATTTGATGTGCATGATGAGACTCAAACCAGGGCTTTGTATAGATT TTTAAAAAGGTCGCTTTGGGCGGAGCGGAAAAAATAAATATGCCATATCCAACCATA CTGTTTTACTAATATCAAACCTCAGCCAAAGTCAAAAAAGATATTGCTTTAGTAACCT AGAACACGAACCCGGTTACATACTCCAAAACCCAAATTTACCCAAGTGATATAGAAGACCA GGTTTTATTAAACATTTCTTTATCTGATTGTTTAGTCCAAAAAAGGGGACCCACCCCG GGCGGCCTTAATTAAGGCTTGCAATTTAATAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032824
Insert Size:	3370 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:	<u>NM_032824.1, NP_116213.1</u>
RefSeq Size:	2932 bp
RefSeq ORF:	1668 bp
Locus ID:	84910
UniProt ID:	<u>Q96K49</u>
Cytogenetics:	2q13
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

This gene encodes a protein that may interact with human papillomavirus type 18 E6 oncogene. The protein is also likely to be involved in endosome-to-trans-Golgi network retrograde transport. The gene is expressed in adult and fetal tissues, including brain and heart. This gene is a component of the 2q13 deletion syndrome. Mutations in this gene may be associated with congenital heart defects. [provided by RefSeq, Aug 2016]
Transcript Variant: This variant (1) encodes isoform 1.