

Product datasheet for **SC109846**

TMEM121 (NM_025268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM121 (NM_025268) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM121
Synonyms:	hole; TMEM121A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109846 sequence for NM_025268 edited (data generated by NextGen Sequencing) <pre> ATGGGTGCTGCCGCCCCGGACCGCGCCACGTGTGCCTGACCACGCTGGTGATCATGGGC AGCATGGCCGTCATGGACGCGTACCTGGTGGAGCAGAACCAGGGCCCGCAAGATCGGC GTGTGCATCATCGTGCTGGTGGGCGACGTGTGCTTCTGCTGGTGTGCGCTACGTGGCC GTGTGGGTGGGCGCCGAGGTGCGCACGGCCAAGCGCGGCTACGCCATGATCCTGTGGTTC CTTTACATCTTCGTGCTGGAGATCAAGCTCTACTTCATCTTCCAGAACTACAAGGCGGCG CGGCGCGGCGCGGCGGACCCCGTGGCGCGCAAGGCGCTGACGCTGCTGCTGTCTGTGTGT GTGCCCCGCTGTTCTGCTGCTGCTGGCGCTGGACCGCATGGAGTACGTGCGCACCTTC CGCAAGCGCGAGGACCTGCGCGGCGCCTGTTTTGGGTGGCGCTGGACCTGCTGGACCTG CTGGACATGCAGGCCAGCCTGTGGGAGCCGCGCGCTCCGGGCTGCCGCTGTGGGCCGAG GGCCTCACCTTCTTCTACTGCTACATGCTGCTGCTGGTGTGCGGTGCGTGGCGCTCAGC GAGGTCAGCATGCAGGGCGAGCACATAGCGCCGAGAAAGATGATGCTGTACCCGGTGCTC AGCCTCGCCACCGTCAATGTGGTGGCCGTGCTGGCGCGCGCCGCCAACATGGCGCTGTTT CGGGACAGCCGTGCTCGGCCATCTTCGTGGCAAAAACGTGGTGGCGCTCGCCACCAAG GCCTGCACCTTCTTGGAGTACCGCCGCCAGGTGCGCGACTTCCCGCCGCTGCGCTATCA CTGGAGCTGCAGCCGCCACCCCGCAGCGCAACTCGGTGCCGCCGCCGCCGCCGCCGCTG CACGCGCCGCTGGGCGCCCCACATGTCTCGCCACGCGTGACCCCTGGACACGTGA </pre>

Clone variation with respect to NM_025268.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025268 unedited
AATACGACTCACTATAGGGCGGCCGGAATTTCGGCACGAGGCAGGCCGGGGCCCGCGCGC
CGACCATGGTGTGCTGCCGCCCCGGACCGCGCCACGTGTGCTGACACGCTGGTGATCA
TGGGCAGCATGGCCGTATGACGCGTACCTGGTGGAGCAGAACCAGGGCCCGCGCAAGA
TCGGCGTGTGCATCATCGTGTGGTGGGCGACGTGTGCTTCTGCTGGTGTGCTGCGCTACG
TGGCCGTGTGGTGGGCGCCGAGGTGCGCACGGCCAAGCGCGGTACGCCATGATCCTGT
GGTTCCTTTACATCTTCGTGCTGGAGATCAAGCTCTACTTCATCTTCCAGAACTACAAGG
CGGCGCGGCGCGCGCGCGGACCCGTGGCGCGCAAGGCGCTGACGCTGCTGCTGTCTG
TGTGTGTGCCCGGCTGTTCTGCTGCTCGTGGCGCTGGACCGCATGGAGTACGTGCGCA
CCTTCCGCAAGCGCAGGACCTGCGCGGCCGCTGTTTTGGGTGGCGCTGGACCTGCTGG
ACCTGCTGGACATGCAGGCCAGCCTGTGGGAGCCGCGCGCTCCGGGCTGCCGCTGTGGG
CCGAGGGCCTCACCTTCTTCTACTGCTACATGCTGCTGCTGGTGTGCGGTGCGTGGCGC
TCANCGAGGTGAGCATGCAGGGCGAGCACATAGCGCCGCAAAAGATGATGCTGTACCCGG
TGCTCANCCTCGCCACCCTTCATGTGGTGGCCGTGCTGCCGCGCGCCGCCACCATGGC
GCCTGTTCCGGGACAGCGTGTCTCGCCATCTTTGTGCAAAAACCGTGGTGGCGCTCG
CCCCAGGCCTGCACCTTCTGAGTCCCGCGCGCAAGTGCGCCACTTTCGCCCGCCTG
CTCTATCACTGGAGCTTGAACCGCCACCCCGCAAGAACTCGTTGGCGCCCCCCCC
GCCGTGTTGAACGGCCCCCTGTGGCCCCCTATTTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_025268 unedited
CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACAAAACGTAAACACGAGT
CTTTAAATGACAGAGGCTCCTTGGCCCCAAATCTGAGCCAGAGGCCCCACCGAAGGA
GCAGATCTCCGCCCACTGCCCTCCCTTCCAACCGGGCGGCCAGCAGGCAGGGGCCG
GATCACCTCTGCTCTGCTCCGGCCAGGCCTCCCAACTAGACCCACGCGCTGGGGCGGGC
TGGTGGAGCGGGGCTGAGGATCCGCGGTCCGAGAGATTCTGAGATGAAGAAGCGGCCG
CGGGACCCAGGCACGGGCACTCGAGGCACCTGTCCCTAGGGGAGCCCGCCCCACCCCA
TCCCATGCAAACCGCGCGCCCCAAGCCAACCCGGTGTCTCTGCGCCCAGGGGCGTGTG
GGGGCCGCGCGGGCCCTGTACGTGTCCAGGGGTACGCGTGGGCGAGGACATGTGGGG
GCGCCCAGGCGGGCCGTGCATCGCGCGCGGTGCGCGCACCGAGTTGCGCTGCGCGGT
GCCGCTGCAGTCCAGTGATAGCGCAGGCGCGGTAAGTCCCGCACCTGCCGCCGTACTC
CAGGAAGTGCAAGCCCTTGTGCAAGCGCCCCACGTTTTGCGCGACCAATATGCCGAAA
CACCGTTGTCCCGGAACAACGCCATGTTTGTGCGCGCGCAACACCGCCCCCAATTGA
CCGGGGCGAGGCTTGACCCCGGTACCGCATATCTTTGACGCGCCTTGGGCCCCCCTG
CATGCTGACCCCTGACCGCCCCACGGAGTCCCATCTGAACTTGTCAATCGAAAAGGT
GAGGCCTCGGCCCCACCGCAAGCCGACCGCGGGCCCCACAGCTGGCCTGTAGCCACAGG
CCCAAGGGCCCCCACCAGGCGGTGTGAGTCCCTCCTTGGGAAGTCCCGTCTCT
CCGCCCCGCCATACATACGAAGGCCGACACAAACACCATATTTCCCTCCCCCATGT
CCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_025268

Insert Size:

1350 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_025268.2</u> , <u>NP_079544.1</u>
RefSeq Size:	1538 bp
RefSeq ORF:	960 bp
Locus ID:	80757
UniProt ID:	<u>Q9BTD3</u>
Cytogenetics:	14q32.33
Protein Families:	Transmembrane
Gene Summary:	May play a role in MAPK signaling.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.