

Product datasheet for **SC111454**

TMEM47 (NM_031442) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM47 (NM_031442) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM47
Synonyms:	BCMP1; TM4SF10; VAB-9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111454 sequence for NM_031442 edited (data generated by NextGen Sequencing)

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ATGGCTTCGGCGGGCAGCGGCATGGAGGAGGTGCGCGTGTGGTCTGACCCCTTGAAG
CTGGTCGGGCTGGTGTGCATCTTCTGGCGCTGTGTCTGGACCTGGGGCGGTGCTGAGC
CCGGCCTGGGTACAGCTGACCACAGTACTACCTGTCGTTGTGGGAGTCCTGCCGAAA
CCCGCCAGCTTGGACATCTGGCACTGCGAGTCCACGCTCAGCAGCGATTGGCAGATTGCT
ACTCTGGCTTTACTCCTGGGCGGCGTCCATCATTCTCATTGCATTCTGGTGGGTTTG
ATTTCTATCTGCGTGGGATCTCGAAGGCGTTTCTATAGACCTGTTGCGGTCATGCTTTT
GCAGCAGTTGTTTTACAGGTTTGCAGCCTGGTCCTTTACCAATCAAGTTCATTGAACT
GTGAGCTTAAAAATTTACCATGAGTTCAACTGGGGTTATGGCCTGGCCTGGGGTGAAC
ATATTTTCGTTTGGGGTGCCATCCTTTATTGCCTGAACCCTAAGAACTATGAAGACTAC
TACTAG
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Clone variation with respect to NM_031442.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031442 unedited</p> <pre>GTAGATTTGTATACGACTTACTATAGGCGGCCGCGNAATTCGCACGAGGGCGGGGCCGGC GGCGAAGGTCCGGGGTGGAAATCGACGTCGCTGCGGCTGCCGACGACCCACACCCGGCCGG CCGCCTCCGCAGACCCACCTTGGCCGCGCGCAGGGGGCGCGCAGAGCCCCGAGGGAGCG AGTCCCGCGCGTGGCAGCTCGGCGGCTTCTCCCTTCGGGAGGTCGGCTCCCGGCTCTC CGGACCCGCTGGCGTCTCGCTGCGGCGGGGGCGGACGACAGCGGCGCCAGGAATGGC TTCGGCGGGCAGCGGCATGGAGGAGGTGCGCGTGTGCGTGCTGACCCCTTGAAGCTGGT CGGGCTGGTGTGCATCTTCTGGCGTGTGCTGGACCTGGGGGCGGTGCTGAGCCCGGC CTGGGTACAGCTGACCACAGTACTACCTGTGCTTGTGGGAGTCTGCCGAAACCCGC CAGCTTGGACATCTGGCACTGCGAGTCCACGCTCAGCAGCGATTGGCAGATTGCTACTCT GGCTTTACTCCTGGGCGGCGCTGCCATCATTCTCATTGCATTCTGGTGGGTTTGATTTT TATCTGCGTGGGATCTCGAAGGCGTTTCTATAGACCTGTTGCGGTGATGCTTTTTGCAGC AGTTGTTTTACAGGTTTGCAGCCTGGTCTTTACCCAATCAAGTTCATTGAAACTGTGAG CTTGAAAATTACCATGAGTTCAACTGGGTTATGGCTGGCTGGGGTGCATATATTTT CGTTTGGGGTGCCATNCTTTATTTGCCTGACCCTNNAGACTATGAAGACTACTACTAGA ACCAATAGNTCTCAAGTANNAACACCCACCACCATNNACANAGGNATACGTCTGCATC TTTTCTACTTTACTATTTCTAAACACTTGTGGAGCATCAAGCAGTTGCTCAGNTGATTA ATCTTTTTGCCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031442 unedited</p> <pre>CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGCTGTTGTTTTGGCAACCA TTCTTAAGACAAGCTGAAAGAAGAACTGTGTTTTGGGAGGTAAAACAAATTATTAATAC TATCGATGTGGTCTGCTCTAACAGATTTTGAATACAGTAACATATAGCTACTTTTAA AGTAATTTTTCTAATGCTTCTTTCTGCAAGAGGGCCAAAACCAGAACATACTGTTTTAGT GCTTTGTTAACAAAAATAATTATTTATAACTTTTATATTAGAAGTGTATATTTGATATA AAAATATGTTTATAATTAAGCTATCCAAATTTGTATATTAACAGAAATTAACACAAGTTT GCAGCATGAGATTAGTTGCAAACTTATCCCTATTATTAATACTTCCCTCCATTGAACAG TCAGTAAGTAATCCCTTAACATAAAATCCATCCTAAGTGTGTGCACAAATCGGTTAGCCC ATCAGTTAACTTACAGAGGACCAGGTGATAACCAGATGAATTCTACTCCTCTACTGAGACA TTTAGATATTTATATAAATCTATCGCTATTCTTTCTTAAAAAAATGAAGACATTTAAAA TACTTGCCAAAAATAGCAGCCTTCTATTTTAATGAATTTTACACAAATGATCATCCTAAT TGCTACTCTCTTTTAACTACAGTGCTTACAGAGATCATTAAATTTTACAGATAACAACATTT CAATTTTATTCTTAGGCACCTCTATTGACCTTTTCAAGTAAACAGTTAAGAACTTGAGCC AAAGCTTTAAGGACCCTACTTTTGTGGGAAAAAAGTTTGAACCCATCTAAGCTCTTAA AAATGGGTCAAGGTTAGGGCTCAAACACTTCTTAAAGAAAAATTAATTTTCCCGTGAAA GGCAAATGTTGTGGGGGGTGGGACCCCTTTCCCTTAACTAAGGGTGCCCTTCTAT AAACCCGGAACCTTGTCCCTCCCACTTGTGCTCCATGGTGTGAAATAGTTAAAGAG GCCAAACCACTTCGCGATTTTTTTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_031442
Insert Size:	4470 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:	<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>NM_031442.2</u> , <u>NP_113630.1</u>
RefSeq Size:	4068 bp
RefSeq ORF:	546 bp
Locus ID:	83604
UniProt ID:	<u>Q9BQJ4</u>
Cytogenetics:	Xp21.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the PMP22/EMP/claudin protein family. The encoded protein is localized to the ER and the plasma membrane. In dogs, transcripts of this gene exist at high levels in the brain. [provided by RefSeq, Jul 2008]