

Product datasheet for **SC114253**

TMEM216 (NM_016499) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM216 (NM_016499) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM216
Synonyms:	HSPC244
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016499, the custom clone sequence may differ by one or more nucleotides

[ATGCTCCTCTTTATCTTGAATTGAAGTAATTCGCCTGTTTTTGGTACAAAGGGAAACCTCTGCCAGC
GAAAGATGCCGCTCAGTATTAGCGTGGCCTTGACCTTCCCATCTGCCATGATGGCCTCCTATTACCTGCT
GCTGCAGACCTACGTACTCCGCCTGGAAGCCATCATGAATGGCATCTTGCTCTTCTCTGTGGCTCAGAG
CTTTTACTTGAGGTGCTCACCTTGGCTGCTTTCTCCAGTATGGACAGGATTTGA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016499 unedited
TGCAAATTTTGTAAACGACTCACTTATAGGGCGCCGCGAATTCGCACCAGGGGAGAGG
GACATCCGAGCGAGGGCCACTTGCAGCCAGGCCGAGCTCGTCCAGCTCCGGGTGACCAC
AGAGTGCCGCGGGCGGGCAGAGGGNCCGAAACCCAGGCCGCTTCGTCCCTGTTCCGG
CAGCGCCGCGCTGCTCCGGGAGCCGCTGTGGCAGCGTATGCTGCCACGGGGACTGAAGAT
GGCGCCGCGAGGTAACCGTTGCTCCTCCACCCCGCTGGAATCCTGTTCTTTCTGAACGG
GTGGTATAATGCTACCTATTTCTGCTGGAACCTTTTCATATTTCTGTATAAAGGTGTCCT
GCTACCATATCCAACAGCTAACCTAGTACTGGATGTGGTATGCTCCTCCTTTATCTTGG
AATTGAAGTAATTCGCCTGTTTTTGGTACAAAGGGAAACCTCTGCCAGCGAAAGATGCC
ACTCAGTATTAGCGTGGCCTTGACCTTCCCATCTGCCATGATGGCCTCCTATTACCTGCT
GCTGCAGACCTACGTACTCCGCCTGGAAGCCATCATGAATGGCATCTTGCTCTTCTTCTG
TGGCTCAGAGCTTTTACTTGAGGTGCTCACCTTGGCTGCTTTCTCCAGTATGGACACGAT
TTGAAGTACAGAAATTTAGCCAGCAGCCATCAGGCTGACACCACACATATTGCTTCTGG
TACTTTAGCCACACCAGTGAGAATTGGTGGGCAAGTTGCTGAGAAAGGCTGTGTGGC
TNTTCTTCGCACAGACATTTGGGCAAAGCACTCAGCATAAAGCCAGTGGGTACCATCTTT
CTAACCAGACCTCAGCCAGAGACTCTTCTCACTCCAGTATAGGGAGGGGCAAGGNTATC
CCATNCTGCCCTTCTCAGAACAGTCCCNTGCTGACCTCAGTCTCTA



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016499 unedited GGGGGCCANACNNACCCATTTTANNNAAGGTGGTACTTGAACCGCGCCGATTTNANGAT CGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCAGTGCATTTAGGGTTTAATTTAGGCTGCAG CTTGGGGAAGAAAATCAGTGGTCATCACTGCCTTTTGTCCACACTGTATCACTAAGCAA GCTCCTGAGAACAACACTGCTGGGATAGTCATGACCCTCTCTTGGAGTGGATGAATTCTAG GGACAGGTGCCATAAGGAAAGGCTGCAACCCCAACAGAAAATATATATTTATTATAA AATAAAGTTAGTTTCATGAAGAGAGTAGAAAAATAACACTATGAGCTACTAAAAAAGTTG TGGAACTCAGTCTCCGAGGATTGGGGTGAGAGGCTTTCACATCACTCTGGAACCCACCA ACATGAGGCTCTCCGTGCTCATGTGGGACAGGTATAGCACAGCTCGTACAGGGAGCATGT GGCTCAGTCTCTGCTTGAAGCCCAAGGAGCCTAGATGGTCCACACGAGATGCTCTGGCCA CGGTGATCAAGGAGGAGAACTTGAGGTCAGCAGGGGACTGGTTCTGAGAAAGGGCANGAT GGGAATAACCCTGCCCTCCTATACTGGAGTGTANAAGAGTCTCTTGGGCTGATGGTCC TGGNTTAAAAAGAGGTACCCCACTGGCCTTATGCTGAGTTGCCTGCCCAATGTCTGTGC TGAAGAAAAACACACAGGCCTTTTCAGGACACCTTGCCCAATCTTACTGTTGTGG CTAAAGGACANAAGCCATATGGGTGGTGTCAACCTGAAGGGGCTGCTGGTGAAAATCTT GGCCTCCAATTCGGGCCATACCTGAAAAAAGCACCAAGTGGACCACCCCTCAGTAAAGCC TTTGGACCCCAAGAAAGAACAGATGCCCTTCATGATGGCTTCCAGCCGGAGCACCTA GGTTGGCCCAACCGGTAATAGAAGGCCCTCTGGCAAATGGGAAGGGCAAGGCCCTCT TAATCCGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_016499
Insert Size:	1460 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_016499.2</u> , <u>NP_057583.1</u>
RefSeq Size:	1087 bp
RefSeq ORF:	264 bp
Locus ID:	51259
UniProt ID:	<u>Q9P0N5</u>
Cytogenetics:	11q12.2

Protein Families: Transmembrane

Gene Summary: This locus encodes a transmembrane domain-containing protein. Mutations at this locus have been associated with Meckel-Gruber Syndrome Type 2, and Joubert Syndrome 2, also known as Cerebello-oculorenal Syndrome 2. [provided by RefSeq, Aug 2010]
Transcript Variant: This variant (1) represents the shortest transcript and encodes the shortest isoform (1).