

Product datasheet for **SC328231**

TMEM216 (NM_001173991) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM216 (NM_001173991) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM216
Synonyms:	HSPC244
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001173991, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCTGCCACGGGACTGAAGATGGCGCCGCGAGGTAACGGTTGCTCCACCCCGCTG GAAATCCTGTTCTTTCTGAACGGGTGGTATAATGCTACCTATTTCTGCTGGAACCTTTTC ATATTTCTGTATAAAGGTGCTCTGCTACCATATCCAACAGCTAACCTAGTACTGGATGTG GTGATGCTCCTCTTTATCTTGAATTGAAGTAATTCGCCTGTTTTTGGTACAAAGGGA AACCTCTGCCAGCGAAAGATGCCGCTCAGTATTAGCGTGGCCTTGACCTTCCCATCTGCC ATGATGGCCTCTATTACCTGCTGCTGCAGACCTACGTACTCCGCCTGGAAGCCATCATG AATGGCATCTTGCTCTTCTTCTGTGGCTCAGAGCTTTTACTTGAGGTGCTCACCTTGGCT GCTTTCTCCAGTATGGACAGGATTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001173991
Insert Size:	1306 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


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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_001173991.1, NP_001167462.1</u>
RefSeq Size:	1306 bp
RefSeq ORF:	447 bp
Locus ID:	51259
UniProt ID:	<u>Q9P0N5</u>
Cytogenetics:	11q12.2
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site and initiates translation at an upstream start codon, compared to variant 1. The resulting isoform (3) has a longer N-terminus, compared to isoform 1.</p>