

Product datasheet for SC315536

TMEM231 (NM_001077416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM231 (NM_001077416) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM231
Synonyms:	ALYE870; JBTS20; MKS11; PRO1886
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315536 representing NM_001077416. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCAACCAGGAGAAGCCAACTTGGTCCCCGGCTCGCGGAGTGCCTGCGAGCGGTGCTCATGGCGC
 TCTATGAGCTCTTCTCTACCCGGTCGAGCGCAGTTACCGCGCGGGGCTCTGCTCCAAAGCCGCGTGT
 TCCTGCTGCTGGCCGCTGCGCTCACGTACATCCCGCCGCTGCTGGTGGCCTTCCGAGCCACGGTGAGC
 CTGCCCGGCCGCTGTGCCACGAGGCTCCCGGGCGCGCTCGGCCAGGGCCGGCTCCCTAACCGCCTC
 CCTACCGCCTCTTAACTCAGGGTTTTGGCTGAAGCGGAGCAGCTACGAGGAGCAGCCGACCGTGCGC
 TTCCAACACCAGGTGCTGCTCGTGGCCCTGCTCGGACCCGAAAGCGACGGGTTCTCGCCTGGAGCACG
 TTCCCCGCCTTCAACCGGCTGCAAGGGGATCGCCTGCGCGTCCCGCTCGTTTCGACTAGAGAAGAAGAC
 AGGAACCAGGATGGGAAGACGGACATGTTACATTTAAGCTGGAGCTTCCCTGCAGTCCACGGAGCAC
 GTTCTCGGTGTGCAGCTCATCTGACTTTCTCCTATCGATTACACAGGATGGCGACCCTCGTGATGCAG
 AGCATGGCGTTTCTCCAGTCCTCCTTCTGTCCCGGGATCCAGTTATACGTGAACGGAGACCTGAGG
 CTGCAGCAGAAGCAGCCGCTGAGCTGTGGTGGCTAGATGCCCGATACAACATATCCGTGATCAACGGG
 ACCAGCCCCTTTGCCTATGACTACGACCTACCCATATTGTTGCTGCCTACCAGGAGAGGAACGTTACC
 ACCGTCCTGAATGATCCCAACCCATCTGGCTGGTGGGAGGGCCGAGATGCTCCATTTGTGATTAAT
 GCTATCATCCGATACCCTGTGGAAGTCATTTCTTATCAGCCAGGATTCTGGGAGATGGTAAAGTTCCGC
 TGGGTGCAGTATGTCAGCATCCTGCTTATCTTCTGCTGGGTGTTTGAAAGAATCAAGATCTCTGTGTTT
 CAGAATCAGTGTTGACCACCATTCCTGTGACAGTGACGCCCCGGGAGAGCTTGTGTAAGGAGCACTTA
 TCCTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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ACCN:	NM_001077416
Insert Size:	1110 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).
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_001077416.2</u>
RefSeq Size:	3018 bp
RefSeq ORF:	1110 bp
Locus ID:	79583
UniProt ID:	<u>Q9H6L2</u>
Cytogenetics:	16q23.1
Protein Families:	Transmembrane
MW:	41.9 kDa
Gene Summary:	This gene encodes a transmembrane protein, which is a component of the B9 complex involved in the formation of the diffusion barrier between the cilia and plasma membrane. Mutations in this gene cause Joubert syndrome (JBTS). Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2013] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).