

Product datasheet for SC316911

TMEM176B (NM_001101314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM176B (NM_001101314) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM176B
Synonyms:	LR8; MS4B2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316911 representing NM_001101314. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGCAAAACACGGTGATTGTGAATGGAGTTGCTATGGCCTCTAGGCCATCCCAGCCCACCCACGTG
AACGTCCACATCCACCAGGAGTCAGCTTTGACACAACCTGCTGAAAGCTGGAGTTCTCTGAAGAAGTTT
CTTTTTACCCTGGGACACTGTGCCTCCACAGCCAGGATTGGTTATGAGCAGCTGGCTCTAGGGGTG
ATCGCAGCAGGAGCTGGGGCCATTGTCCATGAGAAGCACCAGGGCAAACCTGCTGGCTATATATCCAGC
CTGCTCACCTGGCAGGCTTTGCTACAGCTATGGCTGCTGTTGTCCTCTGCGTGAATAGCTTCATCTGG
CAAACCTGAACCCTTTTTATACATCGACTGTGTGTGATCGCTCAGACCCTGTCTCCCTACCACTGGG
TACAGATGGATGCGGCGAAGTCAAGAGAACCAATGGCAGAAGGAGGAGTGTAGAGCTTACATGCAGATG
CTGAGGAAGTTGTTACAGCAATCCGTGCCCTGTTCTGGCTGTCTGTGCTTGAAGTCAATGTTGTC
TTGGTTTCTTGGGAGTAGGTCTTCGAAACTTGTGTGGCCAGAGCTCCCAGCCCCTGAATGAGGAAGGA
TCAGAGAAGAGGCTACTGGGGGAGAATTCAGTGCCCCCTTCGCCCTCTAGGGAGCAGACCTCCACTGCC
ATTGTCCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001101314
Insert Size:	702 bp



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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:	<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:	NM_001101314.1
RefSeq Size:	1201 bp
RefSeq ORF:	702 bp
Locus ID:	28959
UniProt ID:	Q3YBM2
Cytogenetics:	7q36.1
Protein Families:	Druggable Genome, Transmembrane
MW:	25.4 kDa
Gene Summary:	May play a role in the process of maturation of dendritic cells. Required for the development of cerebellar granule cells (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (5) differs in the 5' UTR and lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting protein (isoform b) is shorter than isoform a.