

## Product datasheet for SC316915

### TMEM176B (NM\_001101311) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM176B (NM_001101311) 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:	>SC316915 representing NM_001101311. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGCAAAACACGGTGATTGTGAATGGAGTTGCTATGGCCTCTAGGCCATCCCAGCCCACCCACGTC
AACGTCCACATCCACCAGGAGTCAGCTTTGACACAACCTGCTGAAAGCTGGAGTTCTCTGAAGAAGTTT
CTTTTTACCCTGGGACACTGTGCCTCCACAGCCAGGATTGGTTATGAGCAGCTGGCTCTAGGGGTG
ACTCAGATATTGCTGGGGTTGTGAGTTGTCTTGGAGTGTCTCAGCTTGGGGCCCTGGACTGTG
CTGAGTGCCTCAGGCTGTGCCTCTGGCGGGTCTGTGGTGATCGCAGCAGGAGCTGGGCCATTGTC
CATGAGAAGCACCAGGCAAACTTGCTGGCTATATATCCAGCCTGCTCACCTGGCAGGCTTTGCTACA
GCTATGGCTGCTGTTGCTCTGCGTGAATAGCTTCATCTGGCAAACCTGAAACCTTTTTATACATCGAC
ACTGTGTGTGATCGCTCAGACCTGTCTTCCCTACCACTGGGTACAGATGGATGCGGCGAAGTCAAGAG
AACCAATGGCAGAAGGAGGAGTGTAGAGCTTACATGCAGATGCTGAGGAAGTTGTTACAGCAATCCGT
GCCCTGTTCTGGCTGTCTGTGCTTGAAGGTCATTGTGCTCCTGGTTTCCTTGGGAGTAGGCTTCCGA
AACTTGTGTGGCCAGAGCTCCAGCCCCGAATGAGGAAGGATCAGAGAAGAGGCTACTGGGGGAGAAAT
TCAGTGCCCTTCGCCCTCTAGGGAGCAGACCTCCACTGCCATTGCTCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001101311
Insert Size:	813 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001101311.1</u>
<b>RefSeq Size:</b>	1320 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	28959
<b>UniProt ID:</b>	<u>Q3YBM2</u>
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	29.1 kDa
<b>Gene Summary:</b>	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 (2) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same isoform (a).