

## Product datasheet for **SC115179**

### **TMEM176B (NM\_014020) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM176B (NM_014020) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM176B
Synonyms:	LR8; MS4B2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115179 sequence for NM_014020 edited (data generated by NextGen Sequencing)

```
ATGACGCAAAAACACGGTATTGTGAATGGAGTTGCTATGGCCTCTAGGCCATCCCAGCCC
ACCCACGTCAACGTCCACATCCACCAGGAGTCAGCTTTGACACAAGCTGCTGAAAGCTGGA
GGTTCTCTGAAGAAGTTTCTTTTCCACCCTGGGGACACTGTGCCTTCCACAGCCAGGATT
GGTTATGAGCAGCTGGCTCTAGGGGTGACTCAGATATTGCTGGGGTTGTGAGTTGTGT
CTTGGAGTGTGTCTCAGCTTGGGGCCCTGGACTGTGCTGCGTGCCTCAGGCTGTGCCTTC
TGGGCGGGGTCTGTGGTATCGCAGCAGGAGCTGGGGCCATTGTCCATGAGAAGCACCCG
GGCAAACCTTGCTGGCTATATATCCAGCCTGCTCACCTGACAGGCTTTGCTACAGCTATG
GCTGCTGTGCTCCTGCGTGAATAGCTTCATCTGGCAAACCTGAACCTTTTTATACATC
GACTGTGTGTGATCGCTCAGACCCTGTCTTCCCTACCACTGGGTACAGATGGATGCGG
CGAAGTCAAGAGAACCAATGGCAGAAGGAGGAGGTAGAGCTTACATGCAGATGCTGAGG
AAGTTGTTACAGCAATCCGTGCCCTGTTCTGGCTGTCTGTGCTTGAAGGTCATTGTG
TCCTTGGTTTCTTGGGAGTAGGTCTTCGAAACTTGTGTGGCCAGAGCTCCCAGCCCTG
AATGAGGAAGGATCAGAGAAGAGGCTACTGGGGGAGAATTCAAGTCCCCCTTCGCCCTCT
AGGGAGCAGACCTCCACTGCCATTGCTCCTGTGA
```

Clone variation with respect to NM\_014020.3  
280 a=>c;400 g=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014020 unedited  
 GTTCAAATATTTGTATACGACCTCACTATAGGGCGGCCGGAATTCGCACGAGGGTCCGC  
 TCTGCTCGGCCCGGGCTCCCGGAGGACTGCAGGCAGGATGACGCAAAACACGGTGATTG  
 TGAATGGAGTTGCTATGGCCTCTAGGCCATCCCAGCCCACCCACGTCAACGTCCACATCC  
 ACCAGGAGTCAGCTTTGACACAACCTGCTGAAAGCTGGAGGTTCTCTGAAGAAGTTCTTT  
 TTCACCTGGGGACACTGTGCCTCCACAGCCAGGATTGGTTATGAGCAGCTGGCTCTAG  
 GGGTGACTCAGATATTGCTGGGGTTGTGAGTTGTGTTCTTGGAGTGTGTCTCAGCTTGG  
 GGCCCTGGACTGTGCTGGTGCCTCAGGCTGTGCCTTCTGGGCGGGTCTGTGGTGATCG  
 CAGCAGGAGCTGGGGCCATTGTCCATGAGAAGCACCCGGGCAAACCTTGCTGGCTATATAT  
 CCAGCCTGCTCACCTGACAGGCTTTGCTACAGCTATGGCTGCTGTTGTCCTCTGCGTGA  
 ATAGCTTCATCTGGCAAACCTGAACCTTTTTATACATCGACACTGTGTGTGATCGCTCAG  
 ACCCTGTCTTCCCTACCACTGNGTACAGATGGATGCGGCGAAGTCAAGAAGACCAATGGC  
 AGAAGGAGGAGTGTAGAGCTTACATGCAGATGCTGAAGAAGTTGTTACAGCAATCCGTG  
 CCCTGTTCTGGCTGTCTGTCTTGAAGTTCATTGTGCCCTTGTTCCTTGGGAGAAGG  
 CCTTCGAAACCTGTGTGGCCAGAGCTCCCACCCCTGAATGAGGAAAGATCATAAAAAAGC  
 TACTGGGGAGAAATCCATGCCCCCTTCCCCTTAGGGAGCAGACCTCCCTGGCCTTGGCC  
 TGTGAGCCGCCAAAACCCCGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014020 unedited  
 TGGACCGCGGGCCGCATNCTAGNAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTT  
 GGTTAATTAGGTTAAACCAGCATTGGGGAAAAGGCAACAATATCTGTTTCATGGACTTGAA  
 AACCCCAAGAGGGGAAACAGCAGGGGCGGATGGGGGAAAAAAAAGGAGGAGGGTCTGGA  
 AAGCGGCCATAGGGGAGCAAGGGGAGGACCCAGGAGGGGGCCCTGGGCTGCCTAA  
 ACAGGGACATGCGGGCCCCCGGGGGTCTTTGGGGGCTCACAGGACAATGGCAGGGGAG  
 GTCCGCTCCCTAAAGGGCGAAGGGGGCCCTGAATTTCCCCAGGAGCCTTCTCTGAC  
 CCTTCCCCTACTCAGGGGCTGGGAGCTTTGGCCACACAAGTCCCCCAGCCTTACTCCCAAG  
 GACACCCCGGCCACCTTGCCCCCAGACCAACACAGCCAGCACCCGCCCCCGGCTTGT  
 GTGAACCACTTCCCACCTCCCCCAAGCCCCACCTTCCCCTTTGCCCGCCCC  
 TCTCCGCCCTCCCCCACCCTCCCACTGCCAGGGCCACCCGCCATCCCTCGACC  
 CATCTCCCCCCCCGCTCCACCCCTTACCCCCCCCCCCCCCTCTTTCCCCC  
 CCCCTTCCCCTTCTCTTCCCCCTCTCCCCCCCCCCCCCCCCCTCCCCTCCCCCT  
 TCTCTTCCCCTCCCTTCCCCCCCCCGCCCCCTTCCCCCTTCTTCCCTCCCCCTTCCC  
 CCCCTCCCCTCTCCCCCTCCCCGCTCTCTCTTCCCCACCCCTTACCCGCTCC  
 CACCCCTCCCCTTCCCTCCCCGAATCTCCACCCCTGTCTCCCCTCTGTCCCTC  
 CCCCCCTTCCCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014020

**Insert Size:**

1240 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).

<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>	<a href="#">NM_014020.2</a> , <a href="#">NP_054739.2</a>
<b>RefSeq Size:</b>	1357 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	28959
<b>UniProt ID:</b>	<a href="#">Q3YBM2</a>
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a. Variants 1-4 encode the same isoform.</p>