

Product datasheet for SC113580

TMEM106B (NM_018374) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM106B (NM_018374) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM106B
Synonyms:	HLD16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113580 sequence for NM_018374 edited (data generated by NextGen Sequencing)

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ATGGGAAAGTCTCTTTCTCATTTGCCTTTGCATTCAAGCAAAGAAGATGCTTATGATGGA
GTCACATCTGAAAACATGAGGAATGGACTGGTTAATAGTGAAGTCCATAATGAAGATGGA
AGAAATGGAGATGTCTCTCAGTTTCCATATGTGGAATTTACAGGAAGAGATAGTGCACC
TGCCCTACTTGTGAGGAAACAGGAAGAATTCCTAGGGGGCAAGAAAACCAACTGGTGCA
TTGATTCCATATAGTGATCAGAGATTAAGGCCAAGAAGAACAAGCTGTATGTGATGGCT
TCTGTGTTTGTCTGTCTACTCCTTTCTGGATTGGCTGTGTTTTTCCCTTTCCCTCGCTCT
ATCGACGTGAAATACATTGGTGTAAAATCAGCCTATGTCAGTTATGATGTTCCAGAAGCGT
ACAATTTATTTAAATATCACAAACACACTAAATATAACAAACAATAACTATTACTCTGTC
GAAGTTGAAAACATCACTGCCCAAGTTCAATTTTCAAAAACAGTTATTGGAAAGGCACGC
TTAAACAACATAACCATTATTGGTCCACTTGATATGAAACAAATTGATTACACAGTACCT
ACCGTTATAGCAGAGGAAATGAGTTATATGTATGATTTCTGTA CTGATATCCATCAA
GTGCATAACATAGTACTCATGATGCAAGTTACTGTGACAACAACATACTTTGGCCACTCT
GAACAGATATCCCAGGAGAGGTATCAGTATGTCGACTGTGGAAGAAACACAACCTTATCAG
TTGGGGCAGTCTGAATATTTAAATGTACTTCAGCCACAACAGTAA

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Clone variation with respect to NM_018374.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018374 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGCGCTTGGCCTCTGCT
 GATGCCGTCGTTATCCTACCCCTCCCCGTCCCAGCTCTACGGCGGCCGCGCTCCAGG
 CCGGTCGCTCCACCCCGGCTCCCGGGACTGTGGACTCCACGACCCTGTCTCGGCCCT
 GTCCGCGCCGAAGCAGCCCGGGACTGCGCAGCGCCCGCGTGCCGACATGGGAAAGTCTC
 TTTCTCATTTGCCTTTGCATTCAAGCAAAGAAGATGCTTATGATGGAGTCACATCTGAAA
 ACATGAGGAATGGACTGGTTAATAGTGAAGTCCATAATGAAGATGGAAGAAATGGAGATG
 TCTCTCAGTTTCCATATGTGGAATTTACAGGAAGAGATAGTGTCACCTGCCCTACTTGTC
 AGGGAACAGGAAGAATTCTAGGGGCAAGAAAACCAACTGGTGGCATTGATTCCATATA
 GTGATCAGAGATTAAGGCCAAGAAGAACAAGCTGTATGTGATGGCTTCTGTGTTTGTCT
 GTCTACTCCTTTCTGGATTGGCTGTGTTTTCTTTTCCCTCGCTCTATCGACGTGAAAT
 ACATTGGTGTAATAATCAGCCTATGTCAGTTATGATGTTCCAGAGGCGTACAATTTTATTTA
 AATATCACAACACACGTAATATTACACACCAATACTATTACTCTGTGCAAGTTGAAAAC
 ATCACTGGCCCAGNTCAATTNTCACAACAGTTATTGGGAAGGCACGCTTAAACAACANT
 ACCATTATTGGTCCACTTGATATGGAACANATTGATTACCCAGTACCTTCCGTTATAGCA
 GAGGAAAGGAATTATATGTATGAATTCTGGCACTCGGAATCCATCAAAGGCTAACATAG
 TACTCATGATGCAAGGTACCTGGACACCAACTAACTTGGCCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018374 unedited
 GACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAAATACTAGNAAAGG
 CCATAATGAACCTAAAGGACTGATTTGGGTTTAAATAGTAAGGATGGCTTGAGTTAGCAAT
 GAATTAAGGGAAGACTAGTGTTAAAACAAAAAACCACAAACCAATTCAACGAATTG
 AAGATACTCAAGAAAACCTGCAGAAAATAATATGAAAATTAAGGGAAACCTGAGTGTGT
 TTAAGGCAAGAAATAAATAAGCTTATGTTTTATGGTTGAGAGAGTCAGACTAATAAACA
 GGCTGTTTCAGACCTAAGTTAGGCACTTAGGGTGGGAAAGGAAACCTGATTTCTGTC
 ATGAGAAAACAGAACGAAATTAATCTCAACCCAGCTACATTTTTTGGTATCATAACCACT
 CCTACACTTAGTACATATTTAAATGTCCTTAGAAGTAAAGTAAAAGACAAAAA
 AAAAAAATGAAAAATGACTGAAAATATAAACAGCAAAGTTGAATAAGTCAATAATC
 TATATTTGAAAACAATTTAAATAAAACCAAAAGTAGAAAATATAAAAAAGTAACTACT
 AGAGGCATCATATCCAAGTGATGTGCAAAGTGATTAATTTCTAAATAGGTTTTATTTT
 GGCCACCATCATTTAATGACATTCAATTAAGGATTTCTTGAACAATTTCTACCAAAAAA
 TAATTTCTCCTCTAAACATTGATAAAATTGATAACTGGGTACCTAACAGTTGCAAAAAA
 TGTCTACACCATTCTTTAGTATGAAAAGCACATAAAAAAGGAGCATCAAATATTTTATT
 TCAATTATTTATGCCAGATCCAGCTGACTGGACCTATNCCAGCTATGGGTNCTGAATTC
 ATTTCTATTATGGATTNTAGAGAACTGTGTATGATCTGACC

Restriction Sites:

NotI-NotI

ACCN:

NM_018374

Insert Size:

3000 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).

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_018374.2 , NP_060844.2
RefSeq Size:	6456 bp
RefSeq ORF:	825 bp
Locus ID:	54664
UniProt ID:	Q9NUM4
Cytogenetics:	7p21.3
Protein Families:	Transmembrane
Gene Summary:	<p>Involved in dendrite morphogenesis and maintenance by regulating lysosomal trafficking via its interaction with MAP6. May act by inhibiting retrograde transport of lysosomes along dendrites. Required for dendrite branching.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>