

Product datasheet for **SC127526**

TMEM208 (NM_014187) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM208 (NM_014187) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM208
Synonyms:	hSND2; HSPC171
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014187, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCCAAGGGCAAAGTGGGCACGAGAGGGAAGAAGCAGATATTTGAAGAGAACAGAGAGACTCTGA
AGTTCTACCTGCGGATCATACTGGGGCCAATGCCATTTACTGCCTTGTGACGTTGGTCTTCTTTTACTC
ATCTGCCTCATTTTGGGCCTGGTTGGCCCTGGCCTTTAGTCTGGCAGTGTATGGGGCCAGCTACCACTCT
ATGAGCTCGATGGCAGCAGCAGCGTTCTCTGAGGATGGGGCCCTGATGGATGGTGGCATGGACCTCAACA
TGGAGCAGGGCATGGCAGAGCACCTTAAGGATGTGATCCTACTGACAGCCATCGTGCAGGTGCTCAGCTG
CTTCTCTCTATGTCTGGTCCTTCTGGCTTCTGGCTCCAGGCCGGGCCCTTACCTCCTGTGGTGAAT
GTGCTGGGCCCTGGTTCCTACTGCAGACAGTGGCACCCAGCACCAGACACAATGAGAAACGGCAGCGCC
GACAGGAGCGGGCGCAGATGAAGCGTTATAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014187 unedited
 GTAATACGACTCACTATAGGCGGCCGGAATTCGGCACGAGGCCCGGGCTGGGTATTTGC
 CTCGCACCATGGCGCCCAAGGGCAAAGTGGGCACGAGAGGGAAGAAGCAGATATTTGAAG
 AGAACAGAGAGACTCTGAAGTTCTACCTGCGGATCATACTGGGGGCAATGCCATTTACT
 GCCTTGACGTTGGTCTTCTTTACTCATCTGCCTCATTTTGGGCCTGGTTGGCCCTGGGC
 TTTAGTCTGGCAGTGTATGGGGCCAGCTACCACTCTATGAGCTCGATGGCAGCAGCAGCG
 TTCTCTGAGGATGGGGCCCTGATGGATGGTGGCATGGACCTCAACATGGAGCAGGGCATG
 GCAGAGCACCTTAAGGATGTGATCCTACTGACAGCCATCGTGCAGGTGCTCAGCTGCTTC
 TCTCTCTATGTCTGGTCTTCTGGCTTCTGGCTCCAGGCCGGGCCCTTTACCTCCTGTGG
 GTGAATGTGCTGGGCCCTGGTTCACTGCAGACAGTGGCACCCAGCACCAGAGCACAAT
 GAGAAACGGCAGCGCCGACAGGAGCGGGCAGATGAAGCGGGTATAGCCATTGACATTG
 TGGCCACAGGCCACTGGCCCTGGTGGCTCTGTCAGGNTGCACAGCCCCCTCATGCCTGN
 AGCAATGAGGGTCTAGTCCAGGGGCCAAAAGCAGTCTGAGGTATTGGGTATACTTATACT
 CTATAGGGNTCGTTGAATAAATGCCTTANAATGTGAAAAAAAAAAAAAAAAAACTCNACT
 CTAATTGCGNCCGCGGTATAGCTGTGTTCTGAACAGATCCCGGGGAATCCTGGTGAC
 CCCTCCCATGCCTTCTGGCCTGAAAGTTGCCCTTCCATGCCCAACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014187 unedited
 ACCGCGCGCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTCACATTCTAAGCCATT
 TATTCAACGACCCTATAGAGTATAAGTATACCCAATACCTCAAAGTCTTTTGGCCCTG
 GACTAAACCCCTATTGCTCCAGGCATGAGGGGCTGTGCACCCTGACAGAGCCACCAGGG
 CCAGTGGCCTGTGGCCACAATGTCAATGGCTATAACCGCTTCATCTGCCCGCCTCTGG
 CGGCGCTGCCGTTTCTCATTGTGCTCTGGTGTGGGGTGCCTGTCTGCAGTGAACCAG
 GGGCCCACGACATTCACCCACAGGAGGTAAGGGCCCGGCCGACCCCAACCCCAAG
 GACCACCACTACACAGAACCCCTCGACCCCGGCCCATGTCTGACCCATAGACCCA
 TCCTTCGTTGCGACATCTCCCCACCCTCCCCCTATTACACTACATTCCCTCTACCTTCA
 TAACACTACATTTCCCCACCACCATCCACACATACACTACATCGCATCTCCCGCCCA
 TCCCACTTCTTAACCCCTCCTCCCTTTCTCCCCCCCCCTTTACTTTTCCACCCTT
 TCCTTACATTCTATTCCACCCCCCTCCCTCCCCCTTTCTCTTTTTTCCCA
 CAACCCCAACCCACCCGCTTTCTCACCTACCGTCTCTCTATCCCTCCACCCCTT
 TTCCCTCCCTACCTCCCCCTCCTCCCACTTTCAATTTACCCTTACCTCCACTTC
 CTCCTTCCCTCCCCCAACCCACATTACAATAACAATACCAGCCCTTTCACTTAT
 CATTTTCTCCCGTTCCCCCCCCCCCCCTTCTATTCTTCCCAACCACTCCCCC
 TATCTCCTTTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_014187

Insert Size:

780 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:

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_014187.1](#), [NP_054906.1](#)

RefSeq Size: 808 bp

RefSeq ORF: 438 bp

Locus ID: 29100

UniProt ID: [Q9BTX3](#)

Cytogenetics: 16q22.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a highly conserved protein which is localized in the endoplasmic reticulum (ER). The protein is linked to autophagy and ER stress. Knockdown of this gene increased autophagy and triggered ER stress. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) encodes the longer isoform (1).