

Product datasheet for **SC302676**

Membralin (TMEM259) (NM_001033026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Membralin (TMEM259) (NM_001033026) Human Untagged Clone
Tag:	Tag Free
Symbol:	Membralin
Synonyms:	ASBABP1; C19orf6; MBRL; MEMBRALIN; R32184_3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC302676 representing NM_001033026.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCCGAGCACGTGGAGCCCGCAGCTCCGGGGCCCGGGCCCAACGGCGGCGGGCGGCCCGCCCGCC
GCGCGCGGGCTCGCACCCCAATCTCAACCCCAACCCCTCATCAACGTGCGCGACCGGCTCTCCAC
GCGCTGTTCTTCAAGATGGCTGTCACCTATTCGGGCTCTTCCCGCCCGCTTCCGCCGTCTCTCGAG
TTCTTCGTGCTGCTCAAGGCCCTGTTTGTGCTCTTCGTCCTGGCCTACATCCACATCGTCTTCTCCGC
TCGCCATCAACTGCCTGGAGCATGTGCGTGACAAGTGGCCGCGTGAGGGCATCTGCGTGTGGAAGTG
CGGCACAACCTCGAGCCGCGCCCGTCTTCTACAGTTCTGTGACAGCGGCGCCGCGGGAGCTTCCCG
GGCCTGGCCGTGGAACAGGAGCAACCTGGACATGGAAGATGAGGAGGAGGAAGAGCTGACCATGGAG
ATGTTTGGGAACAGCTCCATCAAGTTTGTGCTGGACATCGAGCCCAAGGTGTTCAAGCCCGCAGTAGC
ACAGAGGCCCTGAATGACAGCCAGGAGTCCCTTCCCGAGACGCCACCAAGTGTGGCCGAGGAC
GAGTACATCGTGGAGTACTCACTAGAGTATGGCTTCTTCGCTGTCGCGAGGCCACCCGCCAGCCCTG
AGCATCCCGTCAATGGTGGTCAACCTGGACCCACGCGGGACAGTGTTCGGGGACCGCTTCCAGCCGC
CTGCTGCTGGATGAGTTCCTGGGCTACGATGACATCCTCATGTCCAGCGTGAAGGGCCTGGCCGAGAAC
GAGGAGAACAAAGGGCTTCTGCGGAATGTGGTGTGCGGCGAGCACTACCGCTTGTGAGCATGTGGATG
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CGTACTCACACCACAGATCTTCGCTTTCATCGTGGACTGCTGAGATGCTGGAGATGAACATGGCC
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GAGTCTTCAACGACACCACCAGCCCTTCTACATCATCTCATCGTGTGGCTCGCGGACCAGTATGAC
GCCATCTGCTGCCACACCAGCACCAAGCGGATTGGCTGCGGTTCTTCTATCTTACCCTTCCG
TTCTATGCTATCACTACCGCTTCAATGGCAGTATAGCAGCCTGGCCCTGGTCACTCCTGGCTTTC
ATCCAGCATTCCATGATCTACTTCTCCACCCTACGAGCTGCCTGCCATCCTGCAGCAGTCCGCATC
CAGGAGATGCTGCTTCCAGGCGCCCACTGGGCCCCGGGACCCCAACGGCGCTGCCCGATGACATGAAC
AACAACTCGGGCGCCCGGCTACAGCCCTGACTTCCCGGCCAGCCCCCGCCCTGGGCCCCGCTCG
CCTGGGGCCAGCGGGAGTCCCGGCTGTGGCAGCGGCGCCAGCTCCCTGGTGGCCGCGGAGCCCTCA
GTGGCAGCAGTCCCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
TTCTGTCCGGCTGAGCGCTCCCTCCTGGAGCGGCTCCAGCCAGCCCGCTGGGCCCTGCTGGGGGC
CTCCCCACGCCCCCAGGACAGTGTCCCCCGAGTACTCCGCGCTTCTGACACAACCTCCCTGGGG
GCTGCGGTAGGCGGGCTAGCCCGCCTCATGGCCCCAACGGAGCGCCCTCGGAGTGGGGTCTGA

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033026
- Insert Size:** 1863 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).
- 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_001033026.1
RefSeq Size:	2754 bp
RefSeq ORF:	1863 bp
Locus ID:	91304
UniProt ID:	Q4ZIN3
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
MW:	67.9 kDa
Gene Summary:	<p>May have a role in the ERAD pathway required for clearance of misfolded proteins in the endoplasmic reticulum (ER). Promotes survival of motor neurons, probably by protecting against ER stress.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>