

Product datasheet for **SC120318**

Membralin (TMEM259) (NM_033420) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Membralin (TMEM259) (NM_033420) Human Untagged Clone
Tag:	Tag Free
Symbol:	Membralin
Synonyms:	ASBABP1; C19orf6; MBRL; MEMBRALIN; R32184_3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033420, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGAGCACGTGGAGCCCGCAGCTCCGGGGCCCGGGCCCAACGGCGGCGGCGGGCCCGGCCCG
CGCGCGGGCCTCGCACCCCAATCTCAACCCCAACCCCTCATCAACGTGCGCGACCGGCTCTTCCACGC
GCTGTTCTTCAAGATGGCTGTACCTATTCGCGGCTCTTCCCGCCCGCTTCCGCGTCTCTTCGAGTTC
TTCGTGCTGCTCAAGGCCCTGTTTGTGCTCTTCGTCTGGCTACATCCACATCGTCTTCCCGCTCGC
CCATCAACTGCCTGGAGCATGTGCGTGACAAGTGGCCGCTGAGGGCATCTGCGTGTGGAAGTGGCA
CAACTCGAGCCGCGCCCGTCTTCTACAGTTCTGTGACAGCGCGCCGCGGGAGCTTCCCGGCCGTG
GCCGTGGAACCAGGCAGCAACCTGGACATGGAAGATGAGGAGGAGGAAGACTGACCATGGAGATGTTT
GGAACAGCTCCATCAAGTTTGGCTGGACATCGAGCCCAAGGTGTTCAAGCCGCCGAGTAGCACAGAGGC
CCTGAATGACAGCCAGGAGTTCCCTTCCCGGAGACGCCACCAAGTGTGGCCGAGGACGAGTACATC
GTGGAGTACTCACTAGAGTATGGCTTCCCTCGCCTGTGCGCAGGCCACCCGCCAGCGCCTGAGCATCCCCG
TCATGGTGGTCAACCTGGACCCACGCGGGACAGTGCTTCGGGGACCGTTCAGCCGCTGCTGCTGGA
TGAGTTCCTGGGTACGATGACATCCTCATGTCCAGCGTGAAGGGCCTGGCCGAGAACGAGGAGAACAAG
GGCTTCTGCGGAATGTGGTGTGCGGCGAGCACTACCGCTTTGTGAGCATGTGGATGGCGCGGACGTCT
ACCTGGCCGCTTCGCCATCATGGTTCATCTTACGCTGAGCGTGTCCATGCTGCTGCGGTACTCACACCA
CCAGATCTTCGTCTTTCATCGTGACCTGCTGCAGATGCTGGAGATGAACATGGCCATCGCCTTCCCGCA
CGCCCTGCTGACCGTATCCTGGCCCTCGTGGGATGGAGCCATCATGTGCGGAGTTCTTCAACGACA
CCACCACCGCTTCTACATCATCTCATCGTGTGGCTCGCGGACCAAGTATGACGCCATCTGCTGCCACAC
CAGCACCAGCAAGCGGCATTGGCTGCGCATTCCATGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033420 unedited CCCCCGTAATTACCCCCGCCGTTGACGCAAAGGGCGGTAGGCGGTACGGTGGGAGGT CTATATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGC AGCGGCCCGGAATTTCGGCACGAGGGTGAGGAGAGCGGGCGGTGCGAGGGCGGCCGATGGC GGCCGGGAGGGCCCTCGGACACTTGCGGGTCGTTAGGGCGGACGCTGGGAGGCATGTC GGAGCACGTGGAGCCCGAGCTCCGGGGCCGGGCCAACGGCGGCGGCGGGCCCGGC CCGGCTCTTCCACGCGCTGTTCTTCAAGATGGCTGTACCTATTGCGGGCTCTTCCCGCC CGCCTTCCGCGTCTCTTCGAGTCTTTCGTGCTGCTCAAGGCCCTGTTTGTGCTCTTCGT CCTGGCTACATCCACATCGTCTTCTCCGCTCGCCATCAACTGCCTGGAGCATGTGCG TGACAAGTGGCCGCGTGAGGGCATCCTGCGTGTGGAAGTGCAGCACAACCTCGAGCCGCGC GCCCGTCTTCTACAGTCTGTGACAGCGGCGCCGCGGGAGCTTCCCGGCCTGGCCGT GGAACCAGGCAGCAACCTGGACATGGAAGATGAGGAGGAGGAAGAGCTGACCATGGAGAT GTTTGGGAACAGCTCCATCAAGTTTGTGCTGGACATCGAGCCCAAGGTGTTCAAGCCGCC GAGTAGCACAGAGCCCTGAATGACAGCCAGGAGTTCCTTCCCGAGACGCCACCAA AGTGTGGCCGAGGACGAGTACATCGTGGAGTACTCACTAGAGTATGC
Restriction Sites:	NotI-NotI
ACCN:	NM_033420
Insert Size:	800 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_033420.2 , NP_219488.1
RefSeq Size:	2654 bp
RefSeq ORF:	1227 bp
Locus ID:	91304
UniProt ID:	Q4ZIN3
Cytogenetics:	19p13.3
Protein Families:	Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (2) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.