

Product datasheet for **SC110072**

Membrin (GOSR2) (NM_054022) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Membrin (GOSR2) (NM_054022) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOSR2
Synonyms:	Bos1; EPM6; GS27
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_054022, the custom clone sequence may differ by one or more nucleotides

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ATGGATCCCCTGTTCCAGCAAACGCACAAGCAGGTCCACGAGATCCAGTCTTGCA TGGGACGCCTGGAGA  
CGGCAGACAAGCAGTCTGTGCACATAGTAGAAAACGAAATCCAAGCAAGCATAGACCAGATATTCAGCCG  
TCTAGAACGTCTGGAGATTTTGTCCAGCAAGGAGCCCCCTAACAAAAGGCAAAATGCCAGACTTCGGGT  
GACCAGTTAAAGTATGATGTCCAGCACCTGCAGACTGCGCTCAGAACTCCAGCATCGGCGCCATGCAA  
GGGAGCAGCAGGAGAGACAGCGAGAAGAGCTTCTGTCTCGAACCTCACCCTAACGACTCTGACACCAC  
CATACCAATGGACGAATCACTGCAGTTAACTCCTCCCTCCAGAAAGTTCACAACGGCATGGATGACCTC  
ATTTTAGATGGGCACAATATTTTAGATGGACTGAGGACCCAGAGACTGACCTTGAAGGGGACTCAGAAGA  
AGATCCTTGACATTGCCAACATGCTGGGCTTGTCCAACACAGTATGCGGCTCATCGAGAAGCGGGCTTT  
CCAGGACAAGTACTTTATGATAGGCACCCAAGGATCCTGCCAGACAGCACACTTTGGAGGAAGGTCTGCA  
GGGAGCAGCTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_054022 unedited TTTGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCCTCGTGCCGAATT CGGCACGAGGGCCTGCCGGGCGCGGACATGGATCCCCTGTTCCAGCAAACGCACAAGCA GGTCCACGAGATCCAGTCTTGATGGGACGCCTGGAGACGGCAGACAAGCAGTCTGTGCA CATAGTAGAAAACGAAATCCAAGCAAGCATAGACCAGATATTCAGCCGTCTAGAACGTCT GGAGATTTTGTCCAGCAAGGAGCCCCCTAACAAAAGGCAAAATGCCAACTTCGGGTTGA CCAGTTAAAGTATGATGTCCAGCACCTGCAGACTGCGCTCAGAACTTCCAGCATCGGCG CCATGCAAGGGAGCAGCAGGAGAGACAGCGAGAAGAGCTTCTGTCTCGAACCTTACCAC TAACGACTCTGACACCACATACCAATGGACGAATCACTGCAGTTAACTCCTCCCTCCA GAAAGTTCACAACGGCATGGATGACCTCATTTTAGATGGGCACAATATTTAGATGGACT GAGGACCCAGAGACTGACCTTGAAGGGGACTCAGAAGAAGATCCTTGACATTGCCAACAT GCTGGGGCTTGTCCAACACAGTATGCGGCTCATCGAGAAGCGGGCTTCCAGGACAAGT ACTTTATGATAGGTGGGATGCTGCTGACCTGTGTGGTCATGTTCTCGTGGTGCAGTACC TGACATGAGCCAGCCACGCTCAGTGGCTGACAGCATTCCACAGCTGCAGTGTGTGTGT GGAAAAAAAAAGGGGGCCCCAAAGGNCGCTTTTAAAATGTTGCTGTCTGACTGTGAAAC CTGGGAGGGAATGTGTCTATTTACCTGCTTGGTTCTGGACTTTGGGAGGGAAGCTGTGC CACCCTTGCCGTGCTAGATAAAAAAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_054022 unedited CCCTCCCCCTCCCCCNCCCCCNNGCCTCCTTGACTTGCCACCGCGGCCGATCCT AGNGATCGGTTTTTTTTTTTTTTTTTGCATTTCTAAATAAAATAAACCTCAACTTTATT CAGCTGATGTGCTTCCAAAACAATGGGTGTAATCCAAATTTGCAATCAAACCCATTCA AATTCATCAGGGCAAAGGGGTACAGAACTCCGCAGTGAAGTCTAAAAAATCAAGACTCC TCTAACTACTTGGTCTTGGAGTTGGCTTTTCTTACAGTGGTCCCCCTGAAGTAAATGT CCATGTAATAAAGAGATCTCAAGTTCCTCTTGATAACCCACCTGTTTTAAATCACAATAG GCACACAAAACCTCATGTACAAGGCCACAGAGGCTGGCTACCGGAGTTTCTTGATCAGCT CGACCTAAGAATTCACCCCGCCTCCACTAGAGGGTGTCTTCCCTGGCCTGGACCCCTT CCTTACTGAGGCGGGGAGAGAGTACACTGTTAGGCCAAGGTCTATTTTTACCAGG CACTGAAAGCAGATGTGTGAAGAGAAGTGGTCATGTGACCACATGCAGTCTCAATGCCCC TGGGTGTCCCAGACACTGGCTTGTGTCCACCCAGCCGAGGTGGTAAAGACCCCAAA ACCACCTCTGCAATTTTTATTCCAAACTAGAGGACTGGCTTGTAGGGCGCCCATGAGGG TCTATCAAAGCCAACCCCTGCTCAGCGGTGAAAGCACTGGTGCCACCACGATAAGAAT GTCCAATTCATCCAACCTTGAATGGTGGTGGAACTTTTGTCTCCACAGGTTTAA GGACAAAATGGGCTTAAGCTTGTTCCTGGCAACACCTTTTCTCCAAAGTGGTGTGTGT CTTGGCAAGGAACCTCTGGGGTGCCCGGGGGGAAAGGCAAAAGCCTTTGCCNGCCCC AGTCCCTAAAAACCACTCTTTTTGGATTACCAAAAACCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_054022
Insert Size:	3570 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_054022.2](#), [NP_473363.1](#)

RefSeq Size: 1469 bp

RefSeq ORF: 642 bp

Locus ID: 9570

UniProt ID: [O14653](#)

Cytogenetics: 17q21.32

Domains: V-SNARE

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

Gene Summary: This gene encodes a trafficking membrane protein which transports proteins among the medial- and trans-Golgi compartments. Due to its chromosomal location and trafficking function, this gene may be involved in familial essential hypertension. [provided by RefSeq, Mar 2016]

Transcript Variant: This variant (B) differs in the 3' UTR and coding region compared to variant A. The resulting isoform (B) is slightly longer and has a unique C-terminus compared to isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.