

Product datasheet for **SC321807**

Membrin (GOSR2) (NM_001012511) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Membrin (GOSR2) (NM_001012511) Human Untagged Clone
Tag:	Tag Free
Symbol:	Membrin
Synonyms:	Bos1; EPM6; GS27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001012511.1
 GGCCTGCCGGCCGGCGCATGGATCCCCTGTTCCAGCAAACGCACAAGCAGGTCCACGA
 GATCCAGTCTTGCATGGGACGCCCTGGAGACGGCAGACAAGCAGTCTGTGCACATAGTAGA
 AAACGAAATCCAAGCAAGCATAGACCAGATATTCAGCCGTCTAGAACGTCTGGAGATTTT
 GTCCAGCAAGGAGCCCCCTAACAAAAGGCAAAATGCCAGACTTCGGGTTGACCAGTAAA
 GTATGATGTCCAGCACCTGCAGACTGCGCTCAGAACTCCAGCATCGGCGCCATGCAAG
 GGAGCAGCAGGAGAGACAGCGAGAAGAGCTTCTGTCTCGAACCTCACCCTAACGACTC
 TGACACCACCATACCAATGGACGAATCACTGCAGTTAACTCCTCCCTCCAGAAAGTTCA
 CAACGGCATGGATGACCTCATTTTAGATGGGCACAATATTTTAGATGGACTGAGGACCCA
 GAGACTGACCTTGAAGGTGGGTCCTGCTGGGGACAGAGAGAAGGCCTTTGTTTTAG
 CCTCATCCAACAGTTTAGTAAGTGTGTTATATTTTATTACGTGCTCAAATTGTGAT
 ATTTTGTAGACAAGACAGAGCCCTTGAGTTGGGATCCTTTCTGTTGGAGTTGAGTTATT
 GTGAGCCTGAAAGTACCCAGTTCCTTTGCCAGTCTTGAACAAACCATGAAGTGGCCTC
 TCTTAGGATCCAGTCTTTCCATTTACTGAAGTATCATGAAAGTGAAGTACTACTACG
 AGGGGTCCAATCAGGCTGAGAAATTGTGTTACAGAATCTACTCTTGAAGAATGAAGA
 CGTGGCTGCCTTTGGTACCTCGCTTAAAGGTGGCTTTCCTTAGGACCCCTACTGTGGA
 CTGCCCTATAACTAAAACCTTTTGTATTTAGTAACTGAATCCCCACTGTGCAGTGTAG
 GGCTGCCTGGTGTGTCAGTAGATTAGAGCTTTAGAAGCTTCTAGAGCTTCTAAAGCCC
 GTGCTGGTGATCCAGGACTCTTCACTCCCTAGCCTTAGGATTCCTAGAACCCCTGAC
 CAGTTGGCACTGCTGAGACTCCAGCCCCGGGAGTGGTTACAGAAACATTACACAGACT
 CTGATGTCAGTCATGATGTTTACGCCTCGCCCTTTTCTGTATCAACCCGTAGGATAA
 TAGGGCGTGGGTTCTGTCTGTTATCAGGGTGTGGTCCCCTGTGAATGAAGCACTCCCAGC
 CACTGAGCTGTGAGAAACAGTCACTCGGAAGTGTGAGCTTATCTTAGTTTTTGTGGAT
 CATGTTGAGTCTGTCAGCTCCACAGGACTTCAGTACGTTTCTGAACAGTCCCTGCCATCT
 CTACGGGGGAGAGGGTCAAGCAAGTGCAGTCACTCACCTCCTGCTGACAGTTGCAG
 TGTCTCAGATGGCCTGGAAGGGTGTCTCCAGCAGCCTGCTGGGCGTCCCCTTTCATGA
 GAGCCACCTGCAGTGACCTGAACTGATACATGTTGATTAGTCTGCCCTTCTTTAGAAAA
 CTGCTACTCTCCTTTTCATATCTCAGAAAAACAGTAGAGGCCCTTTTAGGACCAAACCTCA
 TGTCACACTGATGAAGAGCCAGTGGGGTTAGAGCGTCTGTTAAGGCACATGCTAGCTT
 CCCACTCAAGTCTGGCAGCGCTGGGGCATCAGCACACCTTGGCCACCCACTGATACC
 AGAGGGGAAGGCTGTGAGGTGGCTGGGGTTGAGACTTGAGGTTTCTAACTTTCCTCTGC
 ACACCTGTGGCTACCTGGTGTGTTGTCTTGTGATCCCTCCACCTGCCTCACACCCCTGCC
 CCGTCCGGGATTTCCACCTACACCATTCAAAGGAACATAGGAGAGGGCATGAAGGGGCT
 AGGCTGAAGCACTCTGATGACTGGGCAATTTGTGGCTGAAAATGAATACATTTTTTGA
 AATTTATGGTCATTTTCAAGTATTTAGAAGGTTGATCCTTAGCCTCATACAGTATGAA
 ATAATCTGTGTTCAGAGCCAAGCAGGACTTTAGCAAGAGTCTGATTGTATTGCACTA
 TCTCGGGGAAAAAAAAAATAAAAATACATTTCTCTGATCTCTGATGGCAATGAAGTTTGC
 TTGTAIAA

Restriction Sites: Please inquire

ACCN: NM_001012511

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:	<u>NM_001012511.1</u> , <u>NP_001012529.1</u>
RefSeq Size:	2220 bp
RefSeq ORF:	588 bp
Locus ID:	9570
UniProt ID:	<u>O14653</u>
Cytogenetics:	17q21.32
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (C) differs in the 3' UTR and coding region compared to variant A. The resulting isoform (C) is shorter and has a distinct C-terminus compared to isoform A.</p>