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Product datasheet for SC127331

Membrin (GOSR2) (NM_004287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Membrin (GOSR2) (NM_004287) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOSR2
Synonyms:	Bos1; EPM6; GS27
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004287, the custom clone sequence may differ by one or more nucleotides

ATGGATCCCCTGTTCCAGCAAACGCACAAGCAGGTCCACGAGATCCAGTCTTGCATGGGACGCCTGGAGA
CGGCAGACAAGCAGTCTGTGCACATAGTAGAAAACGAAATCCAAGCAAGCATAGACCAGATATTCAGCCG
TCTAGAACGTCTGGAGATTTTGTCCAGCAAGGAGCCCCCTAACAAAAGGCAAAATGCCAGACTTCGGGTT
GACCAGTTAAAGTATGATGTCCAGCACCTGCAGACTGCGCTCAGAAACTTCCAGCATCGGCGCCATGCAA
GGGAGCAGCAGGAGAGACAGCGAGAAGAGCTTCTGTCTCGAACCTTCACCACTAACGACTCTGACACCAC
CATACCAATGGACGAATCACTGCAGTTTAACTCCTCCCTCCAGAAAGTTCACAACGGCATGGATGACCTC
ATTTTAGATGGGCACAATATTTTAGATGGACTGAGGACCCAGAGACTGACCTTGAAGGGGACTCAGAAGA
AGATCCTTGACATTGCCAACATGCTGGGCTTGTCCAACACAGTGATGCGGCTCATCGAGAAGCGGGCTTT
CCAGGACAAGTACTTTATGATAGGTGGGATGCTGCTGACCTGTGTGGTCATGTTCCTCGTGGTGCAGTAC
CTGACATGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004287 unedited
ATACGACTCATATAGGCGGCCGCGAATTCGCACGAGCCGGAGGGGGGCTGTGAGGACGTG
TTCCGAGGAAGCCAGACCCGGAGCCGTGGCCTGCCGGGCCGGCGACATGGATCCCCTGTT
CCAGCAAACGCACAAGCAGGTCCACGAGATCCAGTCTTGCATGGGACGCCTGGAGACGGC
AGACAAGCAGTCTGTGCACATAGTAGAAAACGAAATCCAAGCAAGCATAGACCAGATATT
CAGCCGTCTAGAACGTCTGGAGATTTTGTCCAGCAAGGAGCCCCCTAACAAAAGGCAAAA
TGCCAAACTTCGGGTTGACCAGTTAAAGTATGATGTCCAGCACCTGCAGACTGCGCTCAG
AAACTTCCAGCATCGGCGCCATGCAAGGGAGCAGCAGGAGAGACAGCGAGAAGAGCTTCT
GTCTCGAACCTTCACCACTAACGACTCTTACACCACCATACCAATGGACGAATCACTGCA
GTTTAACTCCTCCCTCCAGAAAGTTCACAACGGCATGGATGACCTCATTTTAGATGGGCA
CAATATTTTAGATGGACTGAGGACCCAGAGACTGACCTTGAAGGGGACTCAGAAGAAGAT
CCTTGACATTGCCAACATGCTGGGCTTGTCCAACACAGTGATGCGGCTCATCGAGAAGCG
GGCTTTCCAGGACAAGTACTTTATGATAGGTGGGATGCTGCTGACCTGTGTGGTCATGTT
CCTCGTGGTGCAGTACCTGACATGAGCCAGCCACGCTCAGTGGCTGAACAGCATTCCCAC
AGCCTGCAAGTGTGTGTGTGTGTGAAGANNAAAAGGGGGGGCCCANAGGCCGNCTTTNTG
AATGTTNGCCTGTCTGAACTGTGAAGACACTGGGAGTGAATGGTGGTCTAATTTNCACCT
GCTCTGTTTTCTGTGACATCTGGNAGGGGGAGT

Restriction Sites: NotI-NotI

ACCN: NM_004287

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_004287.1, NP_004278.1

RefSeq Size: 639 bp

RefSeq ORF: 639 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 (A) represents the longest transcript and encodes 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.