

Product datasheet for **RG215010**

Membrin (GOSR2) (NM_054022) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Membrin (GOSR2) (NM_054022) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GOSR2
Synonyms:	Bos1; EPM6; GS27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215010 representing NM_054022 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCCCTGTTCCAGCAAACGCACAAGCAGGTCCACGAGATCCAGTCTTGTCATGGGACGCCTGGAGA
CGGCAGACAAGCAGTCTGTGCACATAGTAGAAAACGAAATCCAAGCAAGCATAGACCAGATATTCAGCCG
TCTAGAACGTCTGGAGATTTTGTCCAGCAAGGAGCCCCCTAACAAAAGGCAAAATGCCAGACTTCGGTT
GACCAGTTAAAGTATGATGTCCAGCACCTGCAGACTGCGCTCAGAACTCCAGCATCGGCGCCATGCAA
GGGAGCAGCAGGAGAGACAGCGAGAAGAGCTTCTGTCTCGAACCTCACCCTAACGACTCTGACACCAC
CATACCAATGGACGAATCACTGCAGTTAACTCCTCCCTCCAGAAAGTTCACAACGGCATGGATGACCTC
ATTTTAGATGGGCACAATATTTTAGATGGACTGAGGACCCAGAGACTGACCTTGAAGGGGACTCAGAAGA
AGATCCTTGACATTGCCAACATGCTGGGCTTGTCCAACACAGTGATGCGGCTCATCGAGAAGCGGGCTTT
CCAGGACAAGTACTTTATGATAGGCACCCAAGGATCCTGCCAGACAGCACACTTTGGAGGAAGGTCTGCA
GGGAGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215010 representing NM_054022
Red=Cloning site Green=Tags(s)

MDPLFQQTHKQVHEIQSCMGRLETADKQSVHIVENEIQASIDQIFSRLEILSSKEPPNKRQNRRLRV
 DQLKYDVQHLQTALRNFQHRRHAREQQRQREELL SRTFTTNDSDTTIPMDESLQFNSSLQKVHNGMDDL
 ILDGHNILDGLRTQRLTLKGTQKKILDIANMLGLSNTVMRLIEKRAFQDKYFMIGTQGCQTAFHGGRSA
 GSS

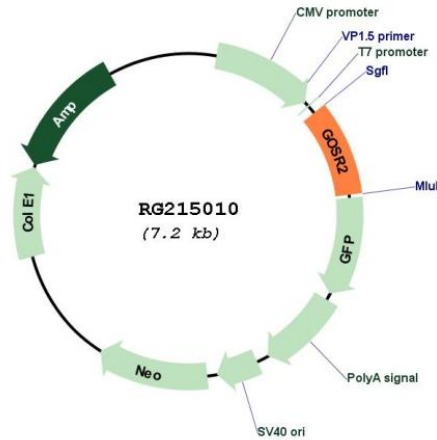
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_054022

ORF Size: 639 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_054022.4
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]