

Product datasheet for **RC225483**

GSG1L (NM_001109763) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GSG1L (NM_001109763) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GSG1L
Synonyms: PRO19651
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225483 representing NM_001109763
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGACTAGCCGCGCGGCCGAGCGCTCCTGGCCGTGGCCCTGAACCTGCTGGCGCTGCTGTTCCGCA
CCACCGCTTTCCTCACCACGCACTGGTGCAGGGCACGCAGCGGGTCCCCAAGCCGGGCTCGGCCAGGG
CGGGCGCGCCAACTGCCCAACTCGGGCGCCAACGCCACGGCCAACGGCACCGCCGCCCGCCCGCCGCGCC
GCCGCCGCGCCACCGCCTCGGGAAACGGCCCCCTGGCGCGCGCTCTACAGCTGGGAGACCGGGCAGC
ACCGCTTCTCTCAGGAATTTCCACACCGGCATCTGGTACTCGTGCAGGAGGAGCTCAGCGGGCTTGG
TGAAAAATGTCGAGCTTCAATTGACCTGGCCCCGCATCGAGAAAGGGTCTGTGGCTGTCTGTGGTC
TCCGAGGTGCTGTACATTCTGCTGCTGGTGGTTGGCTTACGCTCATGTGTCTCGAGCTCTTCCACTCCA
GCAATGTCATCGACGGGCTCAAGCTCAATGCCTTCGCGGCTGTCTTACGGTGTCTCAGGCCTCTGGG
AATGGTCGCCCACATGATGTACACGCAGGTGTTCCAGGTACCGTGAGCCTCGGTCTGAGGACTGGAGA
CCCCATTCCTGGGACTACGGGTGGTCTTCTGCCTGGCGTGGGGCTCCTTACCTGCTGCATGGCAGCCT
CTGTACCACGCTCAACTCCTACACCAAGACGGTCATTGAGTTCGGCACAAGCGCAAGGTCTTTGAGCA
GGGCTACCGGGAAGAGCCGACCTTCATAGACCTGAGGCCATCAAGTACTCCGGGAGAGGATGGAGAAG
AGGGACGGGAGCGAGGAGACTTCACTTAGACTGCCCCACGAGAGATACCCTGCCGACACCGCCAC
ACATGGCGGATTCTGGCCCCGAGCTCCGCACAGGAAGCACCAGAGCTGAACCGACAGTGTGGTCTT
GGGCACTGGGTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC225483 representing NM_001109763
 Red=Cloning site Green=Tags(s)

MKTSRRGRALLAVALNLLALLFATTAFLTTHWCQGTQRVPKPGCGQGRANCPNSGANATANGTAAPAAA
 AAAATASGNPPGGALYSWETGDDRFLFRNFHTGIWYSCEEELSGLGEKCRSFIDLAPASEKGLWLSV
 SEVLYILLVVGFSLMCLLELFHSSNVIDGLKLNFAAVFTVLSGLLGMVAHMMYTQVQVTVSLGPEDWR
 PHSWDYGWSFCLAWGSFTCCMAASVTTLNSYTKTVIEFRHKRKVFEQGYREPTFIDPEAIKYFRERMEK
 RDGSEEDFHLDCRHERYPARHQPHMADSWPRSSAQEAPELNRQCWVLGHWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8052_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001109763

ORF Size: 993 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:

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_001109763.2](#)

RefSeq ORF: 996 bp

Locus ID: 146395

UniProt ID: [Q6UXU4](#)

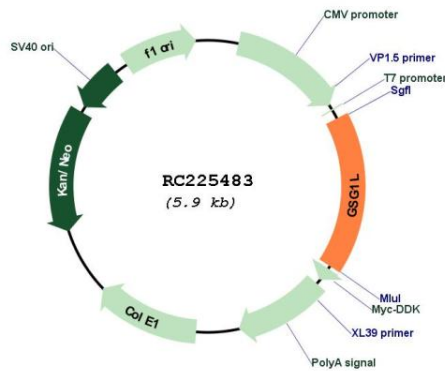
Cytogenetics: 16p12.1

Protein Families: Transmembrane

MW: 36.6 kDa

Gene Summary: As a component of the inner core of AMPAR complex, modifies AMPA receptor (AMPA) gating.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225483