

Product datasheet for **RG225483**

GSG1L (NM_001109763) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GSG1L (NM_001109763) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GSG1L
Synonyms: PRO19651
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225483 representing NM_001109763
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACTAGCCGCGCGGCCGAGCGCTCCTGGCCGTGGCCCTGAACCTGCTGGCGCTGCTGTTCCGCA
 CCACCGCTTTCCTCACCACGCACTGGTCCAGGGCACGCAGCGGGTCCCCAAGCCGGGCTGCGGCCAGGG
 CGGGCGCGCCAACTGCCCAACTCGGGCGCCAACGCCACGGCCAACGGCACCGCCGCCCGCCGCGCCG
 GCCGCGCGCCACCGCCTCGGGAAACGGCCCCCTGGCGCGCGCTCTACAGCTGGGAGACCGGGCAGC
 ACCGCTTCTCTCAGGAATTTCCACACCGGCATCTGGTACTCGTGCGAGGAGGAGCTCAGCGGGCTTGG
 TAAAAATGTCGAGCTTCAATTGACCTGGCCCCGCATCGAGAAAGGGGTCTGTGGCTGTCTGTGGTC
 TCCGAGGTGCTGTACATTCTGCTGCTGGTGGTTGGCTTACGCTCATGTGTCTCGAGCTCTTCCACTCCA
 GCAATGTCATCGACGGGCTCAAGCTCAATGCCTTCGCGGCTGTCTTACGGTGTCTCAGGCCTCTGGG
 AATGGTCGCCCACATGATGTACACGAGGTGTTCCAGGTACCGTGAGCCTCGGTCTGAGGACTGGAGA
 CCCATTCTGGGACTACGGGTGGTCTTCTGCCTGGCGTGGGGCTCCTTACCTGCTGCATGGCAGCCT
 CTGTCACCACGCTCAACTCCTACACCAAGACGGTCATTGAGTTCGGCACAAGCGCAAGGTCTTTGAGCA
 GGGCTACCGGGAAGAGCCGACCTTCATAGACCTGAGGCCATCAAGTACTCCGGGAGAGGATGGAGAAG
 AGGGACGGGAGCGAGGAGACTTCACTTAGACTGCCCCACGAGAGATACCCTGCCGACACCGCCAC
 ACATGGCGGATTCTGGCCCCGAGCTCCGCACAGGAAGCACCAGAGCTGAACCGACAGTGTGGTCTT
 GGGCACTGGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225483 representing NM_001109763
 Red=Cloning site Green=Tags(s)

MKTSRRGRALLAVALNLLALLFATTAFLTTHWCQGTQRVPKPGCGQGGGRANCPNSGANATANGTAAPAAA
 AAAATASGNGPPGGALYSWETGDDRFLFRNFHTGIWYSCEEELSGLGEKCRSFIDLAPASEKGLVLSV
 SEVLYILLVVGFLMCLLELFHSSNVIDGLKLNAAVFTVLSGLLGMVAHMMYTQVFQVTVSLGPEDWR
 PHSWDYGWSFCLAWGSFTCCMAASVTTLNSYTKTVIEFRHKRKVFEQGYREEPTFIDPEAIKYFRERMEK
 RDGSEEDFHLDRCRHERYPARHQPHMADSWPRSSAQEAPELNRQCWVLGHVV

TRTRPLE - GFP Tag - V

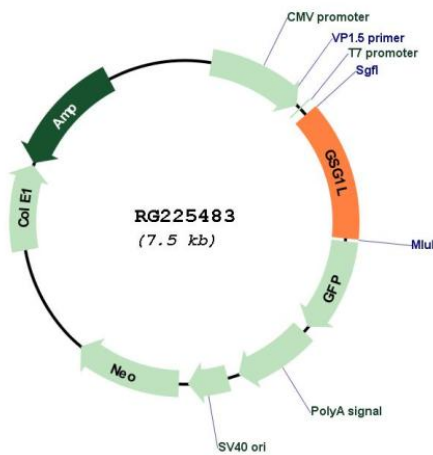
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_001109763.2
RefSeq Size:	4922 bp
RefSeq ORF:	996 bp
Locus ID:	146395
UniProt ID:	Q6UXU4
Cytogenetics:	16p12.1
Protein Families:	Transmembrane
Gene Summary:	As a component of the inner core of AMPAR complex, modifies AMPA receptor (AMPA) gating.[UniProtKB/Swiss-Prot Function]