

## Product datasheet for MR214180

### Gsg1l (NM\_001101488) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gsg1l (NM_001101488) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gsg1l
Synonyms:	A1852434; C230098I05Rik; g1l; G630023A01Rik; Gm637
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214180 representing NM_001101488 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGACGAGCCGCGCGGCCGAGCGCTCTGGCCGTGGCCTTGAACCTGCTGGCGTCTCTTCGCCA  
CCACCGCCTTCTCACCACGTAAGTGGTCCAGGGCACGCAACGGGTGCCAAGCCTGGCTGCGGCCAGGG  
CGGCGGCCCAACTGCCCAACTCGGGCGCCACGCCACGGCCACAGCACAGCCGCCCGTCGCGCGG  
AGCCCGGCCGCGCGCCCTACAGCTGGGAGGCGGGCGACGAGCGCTTCCAGCTGCGCCGTTCCACACTG  
GCATCTGGTACTCGTGTGAGGAAGAGCTCGGTGGCCCGGTGAGAAATGTCGAGCTTTCATTGACCTGGC  
TCCAGCGTCAGAGAAAGGGGTGCTGTGGCTGTCGGTGGTCTCTGAGGTGCTCTACATCCTTCTGCTGGT  
GTCGGCTTCAGTCTCATGTGTCTTGAGCTCGTCCACTCCAGCAGCGTCATAGACGGGCTGAAGCTCAATG  
CCTTTGCTGCGGTCTTACGGTCTCTCAGGTCTCCTGGGAATGGTGCACACATGATGTACACACAGGT  
GTTCCAGGTCACCGTGAGCCTTGGTCTGAAGACTGGAGACCTCATTCTGGGACTATGGGTGGTCTTC  
TGCTTGGCCTGGGGTTCATTTACCTGCTGCATGGCGGCATCTGTCACTACACTCAACTCCTATACCAAGA  
CAGTCATTGAGTCCGGCATAAGCGAAGGTCTTTGAGCAAGGATACCGGGAGGAGCCGACGTTTCATAGA  
TCCTGAGGCCATCAAATACTTCCGGGAGAGGATTGAGAAGGGGGACGTGAGTGAAGAGGAAGACTTCCGC  
CTTGCCCGCCACGAGAGATACCCGACCCGGCACAGCCACACATGGGAGACTCCTGGCCACGGAGCT  
CAGCTCACGAGGCAGCAGAGCTAAACCGTCAGTCTGGTCTGGGCACTGGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214180 representing NM\_001101488  
 Red=Cloning site Green=Tags(s)

MKTSRRGRALLAVALNLLALLFATTAFLTTYWCQGTQRVPKPGCGQGGGANCPSNGANATANSTAAPVAA  
 SPAGAPYSWEAGDERFQLRRFHTGIWYSCEEELGGPGEKCRSFIDLAPASEKGLVWLSVSEVLYILLLV  
 VGFSLMCLLHVHSSVIDGLKLNAAVFTVLSGLLGMVAHMMYTQVFQVTVSLGPEDWRPHSWDYGWSF  
 CLAWGSFTCCMAASVTTLNSYKTVIEFRHKRVFEQGYREEPTFIDPEAIKYFRERIEKGDVSEEDFR  
 LACRHERYPTRHQPHMGDSWPRSSAHEAAELNRQCWVLGHVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9021\\_a06.zip](https://cdn.origene.com/chromatograms/mm9021_a06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001101488

**ORF Size:** 966 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\\_001101488.1](#), [NP\\_001094958.1](#)

**RefSeq Size:** 3924 bp

**RefSeq ORF:** 969 bp

**Locus ID:** 269994

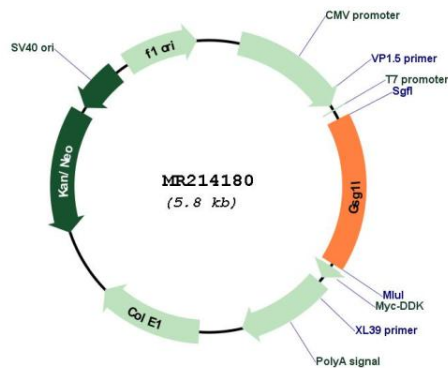
**UniProt ID:** [D3Z7H4](#)

**Cytogenetics:** 7 F3

**MW:** 36.3 kDa

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

### Product images:



Circular map for MR214180