

Product datasheet for **RG209358**

GRP (LGALSL) (NM_014181) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GRP (LGALSL) (NM_014181) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LGALSL
Synonyms: GRP; HSPC159
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209358 representing NM_014181
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGATCAGTGGCCGACGCGATGCCGTGGTAACTAGATGATGGCCATTTAAACAACCTTTTGA
 GCTCTCCAGTTCAAGCGGACGTGTACTCCACGACTGATAGTTCCATTTTGTGGGCACATTAAAGGTGG
 CATGAGACCAGGCAAGAAGGTGTTAGTGATGGGCATCGTAGACCTCAACCCAGAGAGCTTTGCAATCAGC
 TTGACCTGTGGGACTCAGAAGACCTCCTGCCGATGTGGCAATCGAACTCAAAGCTGTGTTACAGATC
 GGCAGCTACTCAGAAATCTTGTATATCTGGGGAGAGGGTGAAGAACAGTCAGCAATCCCTTACTTTCC
 ATTCATCCAGACCAGCCATTCAGGGTGGAAATCTTTGTGAGCACCCAGTTTCCGAGTGTGTTGGAT
 GGACACCAACTTTTTGATTTTTACCATCGCATTCAAACGTTATCTGCAATTGACACCATAAAGATAAATG
 GAGACCTCCAGATCACCAAGCTTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209358 representing NM_014181
 Red=Cloning site Green=Tags(s)
 MAGSVADSDAVVKLDDGHLNNSLSSPVQADVFPRLIVPFCGHIKGGMRPGKKVLMGIVDLNPESFAIS
 LTCGDSEDPADVAIELKAVFTDRQLLRNSCISGERGEEQSAIPYFPFIPDQPFVEILCEHPRFRVVD
 GHQLFDYHRIQTLAIDTIKINGDLQITKLG

TRTRPLE - GFP Tag - V

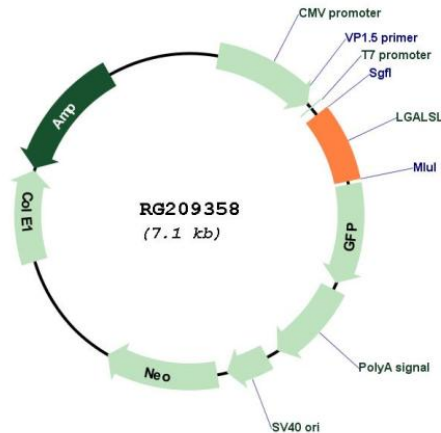
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_014181

ORF Size: 516 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:	<u>NM_014181.3</u>
RefSeq Size:	801 bp
RefSeq ORF:	519 bp
Locus ID:	29094
UniProt ID:	<u>Q3ZCW2</u>
Cytogenetics:	2p14
Domains:	Gal-bind_lectin
Gene Summary:	Does not bind lactose, and may not bind carbohydrates.[UniProtKB/Swiss-Prot Function]