

Product datasheet for **MG201464**

Lgalsl (NM_173752) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lgalsl (NM_173752) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lgalsl
Synonyms: 1110067D22Rik; A530071M23; Grpa; Hspc159; Lgalsla
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201464 representing NM_173752
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGGTCGGTGGCCGACAGCGACGCCGTGGTGAACCTTGATGATGGGCACTAAACAACCTCTTGG
 GTTCTCCAGTTCAAGCCGACGTGACTTCCACGACTGATAGTTCATTTGTGGGCACATTAAAGGTGG
 CATGAGACCAGGCAAGAAGGTATTAGTGATGGGCATCGTAGATCTCAACCCGAAAGCTTGGCCATCAGC
 TTGACCTGTGGAGACTCTGAAGATCCTCCTGCCGATGTGGCAATTGAACTCAAAGCTGTGTTACAGACC
 GGCAGCTGCTCAGAACTCTTGATCTCAGGAGAAAGAGGCGAGGAGCAGTCGGCAATCCCTTACTTTCC
 ATTCATCCAGACCAGCCGTTCCAGGGTGGAGATTTCTTTCGAGACCCAGTTTCAGAGTGTGTTGGAT
 GGACACCAACTTTTTGATTTTTATCACCGTATTCAAACATTATCTGCAATTGACACCATAAAGATCAATG
 GGGACCTCCAGATCACCAAACCTTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201464 representing NM_173752
 Red=Cloning site Green=Tags(s)

MAGSVADSDAVVKLDDGHLNNSLGSVPVQADVFPRLIVPFCGHIKGGMRPGKKVLMGIVDLNPESFAIS
 LTCGDSEDPADVAIELKAVFTDRQLLRNSCISGERGEEQSAIPYFPFIPDQPFVEILCEHPRFRVVD
 GHQLFDYHRIQTLAIDTIKINGDLQITKLG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

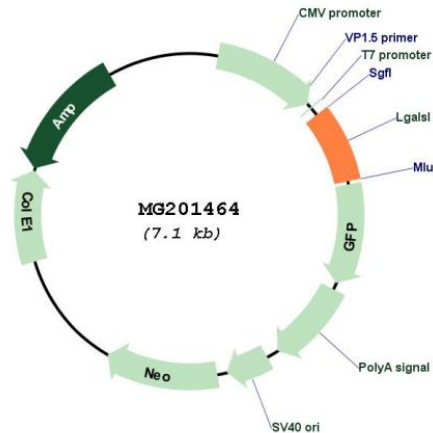


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Cloning Scheme:



Plasmid Map:



ACCN: NM_173752

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_173752.4</u> , <u>NP_776113.1</u>
RefSeq Size:	3396 bp
RefSeq ORF:	519 bp
Locus ID:	216551
UniProt ID:	<u>Q8VED9</u>
Cytogenetics:	11 13.53 cM
Gene Summary:	Does not bind lactose, and may not bind carbohydrates.[UniProtKB/Swiss-Prot Function]