

Product datasheet for **MG210317**

Lrsam1 (NM_199302) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrsam1 (NM_199302) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrsam1
Synonyms:	MGC56830
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210317 representing NM_199302
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTCTTCTTTGGAAGCGAAACCCAGTGAGGAGCTCGAAAACGCTGGAGTACCAGATGTGTC
TGGCAAAAAGAAGCTGGGGCAGATGACATTCTCGACATCTCTAAATGTGAGCTCTCTGAGATTCCATTGG
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CTTCCCAAGTCTGCAGCCTCTTGAGCCTGTGCACCATCAAGTTCTGGATCTCCATGAGAACCAGCTGA
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CAGCAGTGTGCCAGCCTCTGCGCACCTGCCACTGTGCCCCAGGAGATCTCCAGCGCCTCCGGATCT
ACCACAGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210317 representing NM_199302
 Red=Cloning site Green=Tags(s)

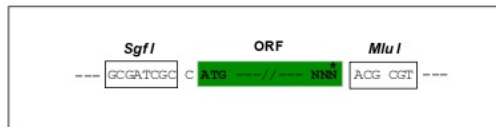
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TRTRPLE - GFP Tag - V

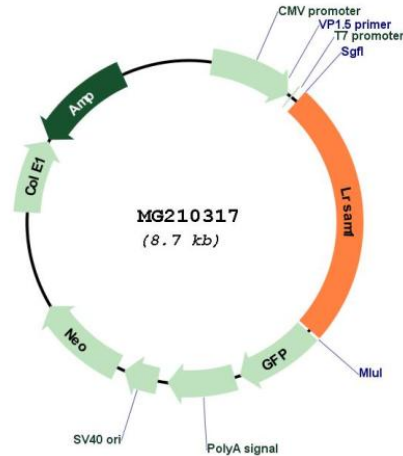
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_199302

ORF Size: 2181 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_199302.3](#)

RefSeq Size: 3994 bp

RefSeq ORF: 2184 bp

Locus ID: 227738

UniProt ID: [Q80Z16](#)

Cytogenetics: 2 B

Gene Summary: E3 ubiquitin-protein ligase that mediates monoubiquitination of TSG101 at multiple sites, leading to inactivate the ability of TSG101 to sort endocytic (EGF receptors) and exocytic (viral proteins) cargos (By similarity). Bacterial recognition protein that defends the cytoplasm from invasive pathogens (By similarity). Localizes to several intracellular bacterial pathogens and generates the bacteria-associated ubiquitin signal leading to autophagy-mediated intracellular bacteria degradation (xenophagy) (By similarity).[UniProtKB/Swiss-Prot Function]