

Product datasheet for **MG201905**

Lsm12 (NM_172947) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lsm12 (NM_172947) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lsm12
Synonyms: 1110032E16Rik; 1110059P07; 2600001B17Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201905 representing NM_172947
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGCACCTCCGGGCGAGTACTTCAGCGTTGGGAGCCAGGTGTCGTGCCGGACGTGCCAGGAGCAGC
GGCTGCAGGGCGAGGTGGTAGCCTTCGACTACCAGTCCAAATGCTGGCTCTAAATGTCCTCTTCCAG
TGGAAAACCAACCATGCAGACATCTTGCTTATAAACTTACAGTATGTTTCAGAAGTGGAATAATTAAT
GATCGAACAGAAACCCCTCCTCCCTAGCTTCACTCAATGTTAGTAAGCTTGCCAGCAAAGCACGGACGG
AGAAGGAGGAGAAGCTGAGCCAGGCCTATGCAATCAGCGCTGGTGTCTCCCTGGAGGGCCAACAGCTCTT
CCAGACCATTACAAGACCATTAAAGACTGTAAATGGCAAGAAAAAACATTGTAGTCATGGAAGAAGTT
GTTATTACACCCCATATCAAGTGGAAAATTGTAAGGCAAGAGGGGAGTGCACTGAGCCATGTACGCA
AAATAGTTGAAAAACATTTTAGAGACGTGGAAAGCCAAAAGATACTGCAGCGTTACAAGCCCAACAACC
ACAGAAGGAGGCTGCTCTGTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201905 representing NM_172947
Red=Cloning site Green=Tags(s)

MAAPPGEYFSVGSQVSCRTCQEQLQGEVVAFDYQSKMLALKCPSSSGKPNHADILLINLQYVSEVEIIN
 DRTEPPPLASLNVSKLASKARTEKEEKLQAYAISAGVSLEGQQLFQTIHKTICKWQEKNIIVMVEEV
 VITPPYQVENCKGKEGSALSHVRKIVEKHFRDVESQKILQRSQAQPPQKEAALSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_172947

ORF Size: 585 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172947.3](#)

RefSeq Size: 1226 bp

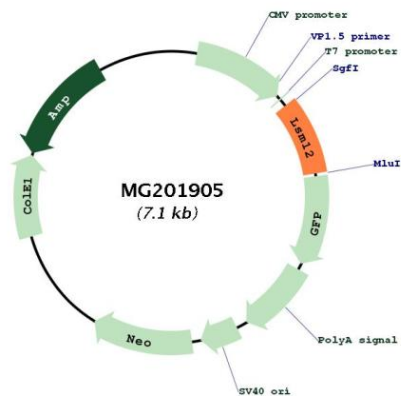
RefSeq ORF: 588 bp

Locus ID: 268490

UniProt ID: Q9D0R8

Cytogenetics: 11 D

Product images:



Circular map for MG201905