

Product datasheet for **RG208457**

LSM12 (NM_152344) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSM12 (NM_152344) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LSM12
Synonyms:	PNAS-135
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208457 representing NM_152344 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCTCCTCCGGCGAGTACTTCAGCGTTGGGAGCCAGGTGTCGTGCCGGACGTGCCAGGAGCAGC
 GGCTGCAGGGCGAGGTGGTAGCCTTTGACTACCAATCCAAATGCTGGCTTTAAATGTCCTCTTCCAG
 TGGAAAGCCCAACCATGCAGACATCTTGCTCATAAACTTACAGTATGTTTCAGAAGTGGAATAATTAAT
 GACCGAACAGAAACCCCTCGTCCCCTAGCTTCACTCAATGTTAGTAAGCTTGCCAGCAAAGCACGGACAG
 AGAAGGAGGAGAAGCTGAGCCAGGCCTATGCAATCAGTGCTGGTGTCTCTCTAGAGGGCCAGCAGCTCTT
 CCAGACCATTCAAGACCATTAAGAGCTGTAATGGCAAGAAAAAACATCGTAGTCATGGAAGAAGTT
 GTTATTACACCCCATATCAAGTGGAAAACTGTAAGGCAAGAGGGGAGTGCACTGAGCCATGTACGCA
 AAATAGTTGAAAAACATTTTAGAGACGTGGAAAGCCAAAAGATACTGCAACGTTCAAGCCAGCAACC
 ACAGAAGGAGGCTGCCCTGTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

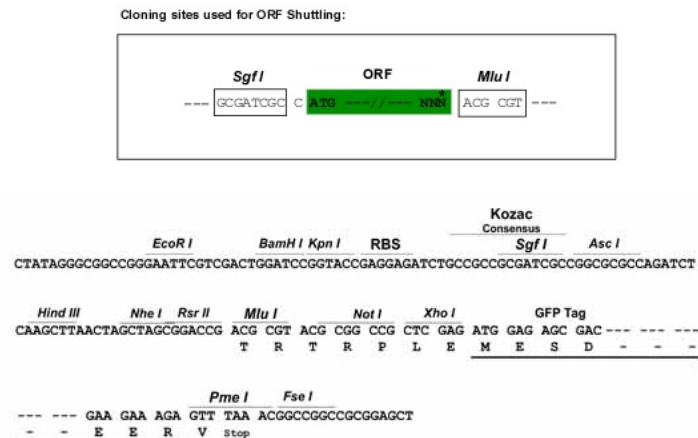
Protein Sequence:	>RG208457 representing NM_152344 Red=Cloning site Green=Tags(s)
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MAAPPGEYFSVGSQVSCRTCQEQLQGEVVAFDYQSKMLALKCPSSSGKPNHADILLINLQYVSEVEIIN
 DRTEPRPLASLNVSKLASKARTEKEEKLSQAYAISAGVSLEGQQLFQTIHKTIKCKWQEKNIIVMEEV
 VITPPYQVENCKGKEGSALSHVRKIVEKHFRDVESQKILQRSQAQPPQKEAALSS

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:


ACCN: NM_152344

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_152344.1](#), [NP_689557.1](#)

RefSeq Size: 2212 bp

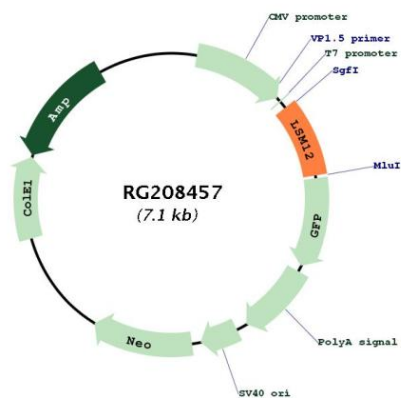
RefSeq ORF: 588 bp

Locus ID: 124801

UniProt ID: Q3MHD2

Cytogenetics: 17q21.31

Product images:



Circular map for RG208457