

Product datasheet for **RG235824**

LSM4 (NM_001252129) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LSM4 (NM_001252129) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LSM4
Synonyms: GRP; YER112W
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235824 representing NM_001252129.
 Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGTTGGTGGAGCTGAAAAATGGGGAGACGTACAATGGACACCTGGTGAAGCTGCGACAACCTGGATGAAC
 ATTAACCTGCGAGAAGTCATCTGCACGTCCAGGGACGGGGACAAGTTCTGGCGGATGCCCGAGTGTAC
 ATCCGCGGCAGCACCATCAAGTACCTGCGCATCCCCGACGAGATCATCGACATGGTCAAGGAGGAGGTG
 GTGGCCAAGGGCCGCGCCGCGGAGGCCTGCAGCAGCAGAAGCAGCAGAAAGCCGCGGCATGGGCGGC
 GCTGGCCGAGGTGTGTTTGGTGGCCGGGCGGAGGTGGGATCCCGGGCACAGGCAGAGGCCAGCCAGAG
 AAGAAGCCTGGCAGACAGGCGGGCAAACAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG235824
 Blue=ORF Red=Cloning site Green=Tag(s)

MLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFWRMPECYIRGSTIKYLRIPDEIDMVKEEV
 VAKGRGRGGLQQKQKQKGRMGAGRGVFGGRGRGGIPGTGRGQPEKKPGRQAGKQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSTMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI


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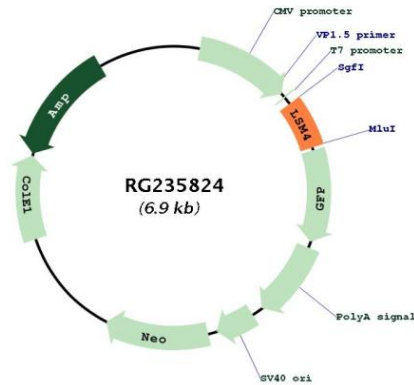
Cloning Scheme:



ACCN:	NM_001252129
ORF Size:	375 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).
RefSeq:	NM_001252129.2
RefSeq Size:	1783 bp
RefSeq ORF:	378 bp
Locus ID:	25804
Cytogenetics:	19p13.11
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation, Spliceosome
MW:	14.3 kDa

Gene Summary:

This gene encodes a member of the LSm family of RNA-binding proteins. LSm proteins form stable heteromers that bind specifically to the 3'-terminal oligo(U) tract of U6 snRNA and may play a role in pre-mRNA splicing by mediating U4/U6 snRNP formation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

Product images:


Circular map for RG235824