

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)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTGGTGGAGCTGAAAAATGGGGAGACGTACAATGGACACCTGGTGGCTGCGACAACCTGGATGAAC
ATTAACCTGCGAGAAGTCATCTGCACGTCCAGGGACGGGACAAGTTCTGGCGGATGCCCGAGTGTAC
ATCCGCGGCAGCACCATCAAGTACCTGCGCATCCCCGACGAGATCATCGACATGGTCAAGGAGGAGGTG
GTGGCCAAGGGCCGCGGCCGCGGAGGCCCTGCAGCAGCAGAAGCAGCAGAAAGGCCGCGGCATGGGCGGC
GCTGGCCGAGGTGTGTTGGTGGCCGGGCCGAGGTGGGATCCCGGCACAGGCAGAGGCCAGCCAGAG
AAGAAGCCTGGCAGACAGCGGCCAAACAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

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

```
MLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFRMPECYIRGSTIKYLRIPEIDIIMVKEEV
VAKGRGRGGLQQKQKQKGRGMGGAGRGVFGGRGRGGIPGTGRGQPEKKPGRQAGKQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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]