

Product datasheet for RC201769

LSM4 (NM_012321) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LSM4 (NM_012321) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LSM4
Synonyms: GRP; YER112W
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201769 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCTTCCCTTGTACTGCTGAAGACGGCTCAGAATCACCCCATGTTGGTGGAGCTGAAAAATGGGGAGA
 CGTACAATGGACACCTGGTGGAGCTGCGACAACCTGGATGAACATTAACCTGCGAGAAGTCATCTGCACGTC
 CAGGGACGGGGACAAGTTCTGGCGGATGCCCGAGTGCTACATCCGCGGCAGCACCATCAAGTACCTGCGC
 ATCCCGACGAGATCATCGACATGGTCAAGGAGGAGTGGTGGCCAAGGGCCGCGCCGGAGGCGCTGC
 AGCAGCAGAAGCAGCAGAAAGGCCGCGCATGGGCGGCGCTGGCCGAGGTGTGTTTGGTGGCCGGGGCCG
 AGGTGGGATCCCGGGCACAGGCAGAGGCCAGCCAGAGAAGAAGCCTGGCAGACAGCGGGCAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201769 protein sequence
 Red=Cloning site Green=Tags(s)

MLPLSLLKTAQNHPMLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFWRMPECYIRGSTIKYLR
 IPDEIIDMVKEEVVAKGRGRGGLQQKQKQKGRGMGGAGRVFVGGRRGGIPGTGRGQPEKKPGRQAGKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6125_c06.zip

Restriction Sites: SgfI-MluI

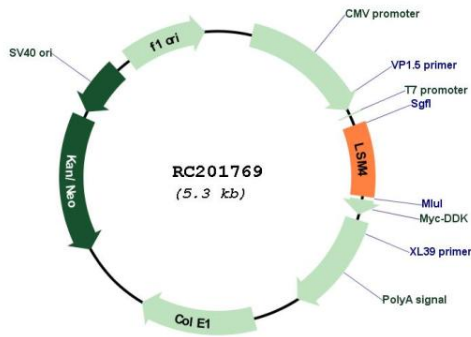


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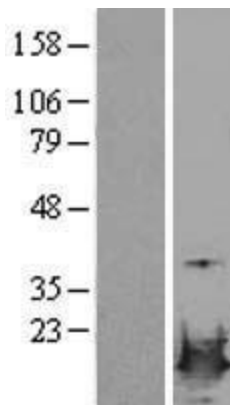
Cytogenetics: 19p13.11
Domains: Sm
Protein Families: Stem cell - Pluripotency
Protein Pathways: RNA degradation, Spliceosome
MW: 15.3 kDa

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 RC201769



Western blot validation of overexpression lysate (Cat# [LY402199]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201769 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).