

Product datasheet for **RR209086**

Lsm4 (NM_001106073) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lsm4 (NM_001106073) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lsm4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209086 representing NM_001106073
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCCTTGTGCTGCTGAAGACAGCCCAGAATCACCCATGCTGGTGGAGCTGAAGAATGGGGAGA
CCTACAACGGGCACCTGGTGAGCTGCGACAACCTGGATGAACATCAACCTTCGAGAAGTGATCTGCACATC
GAGGGACGGTGACAAGTCTGGAGGATGCCCGAGTGCTACATCCGAGGCAGCACCATCAAGTACCTGCCT
ATCCCGGATGAGATCATTGACATGGTGAGGAAGAGGCCCAAGGGCCGAGGGCCGAGGAGACCGCAGC
AGCAGAAGCAGCAGAAAGGCCGAGGCATGGGTGGCGCTGGCAGAGGTGTGTTGGTGGCCGGGGCCGGGG
TGGCATCCCTGGTGCAGGCCGAGGCCAGCCGAGAAGAAGCCAGGGCCGAGGCAGGCAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209086 representing NM_001106073
Red=Cloning site Green=Tags(s)

MLPLSLLKTAQNHPMLVELKNGETYNGHLVSCDNWMNINLREVICTSRDGDKFWRMPECYIRGSTIKYLR
IPDEIIDMVREEAAKGRGRGGPQQKQKGRGMGGAGRGVFGGRGRGGIPGAGRGQPEKKPGRQAGKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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.
RefSeq:	<u>NM_001106073.1</u> , <u>NP_001099543.1</u>
RefSeq Size:	911 bp
RefSeq ORF:	417 bp
Locus ID:	290647
Cytogenetics:	16p14
MW:	15.2 kDa