

Product datasheet for MR217823

Lsm14b (NM_177727) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsm14b (NM_177727) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lsm14b
Synonyms:	9430078B04; BC040823
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217823 representing NM_177727 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGAGCGGCTCGTCCGGCACCCGTATCTGGGCAGCAAGATCAGCCTCATCTCCAAGGCGCAGATCCGCT
ATGAGGGCATCCTCTACACCATCGACACCGACAACCTCCACCGTGGCGCTCGCCAAAGTGAGGTCCTTTGG
TACTGAAGACCGTCCCACAGACAGGCTGCTCCCCAAGAGAGGAAATTTATGAGTACATCATTTTCCGG
GGAAGTGATCAAGGATATTACTGTGTGCGAACCTCCAAAAGCTCAACATACTCCCTCAGGATCCTG
CTATTGTTCAAGTCTCCCTGGGCTCTGCCTCCGCTCGCCCTTCCAGCCGATGTGCCTTACAGCCCTT
CAGAGGGATGCCACCGTATGGCCAGCTGGCAGCCAGTTCCCTGCTCAGCCAGCAGTATGCCGCTTCTTA
GGTCTAGGAGCTGGGTTCCCATCTACCCAGTCGCAAGAGCCCCATGGTGGAGCAGGCTGTCCAGACTA
GTTCTGTTGATAACTTGAATGCTAAGAACTGTTGCCAGCAAGGTCACCTCGGGCAGACAGCTCAATGG
TCGCCAGGCTCAGCCAAGCAGCAAGCCTGCCAGCGATGTAGTCCAGCCGGCACCTGTGCACACTCAAGGG
CAGGTGAATGATGAGAACAGAAGACCTCCACGGAGGCGGTGAGGCAATCGGAGAACAAGAAATCGTTCCA
GAGGACAAAACCGTCCAACCTAACGTTAAGGAAAACACAATCAAGTTTGAAGGTGACTTTGATTTTGAGAG
TGCAAAATGCCAGTTCAACCGAGAGGAGCTTGATAAAGAGTTTAAAGAAGAACTGAATTTTAAAGATGAC
AAAGCCGACAAGGGGAAGAGAAGGACCCAGCTGTGATGGCCAGAGTGAAGAGACTGCTGCTGAGGAGG
ATCTTCTGGGGCCTAACTGTTACTATGACAAGTCCAAGTCTTCTTTGACAACATCTCTTCTGAACTCAA
AACCAGTTCTAGGCGGACAACATGGGCTGAAGAGAGAAAGCTGAACACTGAGACTTTTGGAGTGTACGGG
AGGTTCTTCTGTCGCGCAGTTCACGTGGTGGATTCCGGGGAGGAGGAAATGGGACAACACGGCGCA
ACCCCACTTCCACCGAGCTGGGACTGGCCGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217823 representing NM_177727
 Red=Cloning site Green=Tags(s)

MSGSSGTPYLGSKISLISKAQIRYEGILYTIDTDNSTVALAKVRSFGTEDRPTDRPAPPREEIYEYIIFR
 GSDIKDITVCEPPKAQHTLPQDPAIVQSSLGSASAPFQPHVPYSPFRGMPPYQQLAASSLLSQYAAASL
 GLGAGFPSTPVGKSPMVEQAVQTSVDNLNAKLLPSKVTSATQLNGRQAQPSSKPADSVVQPAPVHTQG
 QVNDENRRPPRRRSNRRTRNRSRGQNRPTNVKENTIKFEGDFDFESANAQFNREELDKFKKLNFKDD
 KADKGEEKDPAVMAQSEETAAEEDLLGPNCYDYSKSFDFDNISSELKTSRRTTWAEEERKLNTETFGVSG
 RFLRGRSSRGGFRGGRNGTTRRNPTSHRAGTGRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9065_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_177727

ORF Size: 1155 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.

RefSeq: [NM_177727.4](#), [NP_808395.2](#)

RefSeq Size: 2560 bp

RefSeq ORF: 1158 bp

Locus ID: 241846

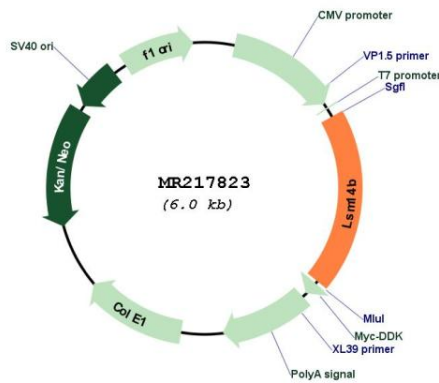
UniProt ID: [Q8CGC4](#)

Cytogenetics: 2 H4

MW: 42.3 kDa

Gene Summary: May play a role in control of mRNA translation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217823