

Product datasheet for **MG217823**

Lsm14b (NM_177727) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lsm14b (NM_177727) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lsm14b
Synonyms: 9430078B04; BC040823
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217823 representing NM_177727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGGCTCGTCCGGCACCCGTATCTGGGCAGCAAGATCAGCCTCATCTCCAAGGCGCAGATCCGCT
 ATGAGGGCATCCTCTACACCATCGACACCGACAACCTCCACCGTGGCGCTCGCCAAAGTGAGGTCTTTGG
 TACTGAAGACCGTCCCACAGACAGGCTGCTCCCCAAGAGAGGAAATTTATGAGTACATCATTTTCCGG
 GGAAGTGATATCAAGGATATTACTGTGTGCGAACCTCCAAAAGCTCAACATACTCCCTCAGGATCCTG
 CTATTGTTCACTCCCTGGGCTCTGCCTCCGCTCGCCCTCCAGCCGATGTGCCTTACAGCCCTT
 CAGAGGGATGCCACCGTATGGCCAGCTGGCAGCCAGTTCCCTGCTCAGCCAGCAGTATGCCGCTTCTTA
 GGTCTAGGAGCTGGGTTCCCATCTACCCAGTCGCAAGAGCCCCATGGTGGAGCAGGCTGTCCAGACTA
 GTTCTGTTGATAACTTGAATGCTAAGAACTGTTGCCAGCAAGGTCACCTCGGGCAGACAGCTCAATGG
 TCGCCAGGCTCAGCCAAGCAGCAAGCCTGCCAGCGATGTAGTCCAGCCGGCACCTGTGCACACTCAAGGG
 CAGGTGAATGATGAGAACAGAAGACCTCCACGGAGGCGGTGAGGCAATCGGAGAACAAGAAATCGTTCCA
 GAGGACAAAACCGTCCAACCTAACGTTAAGGAAAACACAATCAAGTTTGAAGGTGACTTTGATTTTGAGAG
 TGCAAAATGCCAGTTCAACCGAGAGGAGCTTGATAAAGAGTTTAAAGAAGAACTGAATTTTAAAGATGAC
 AAAGCCGACAAGGGGAAGAGAAGGACCCAGCTGTGATGGCCAGAGTGAAGAGACTGCTGCTGAGGAGG
 ATCTTCTGGGGCCTAACTGTTACTATGACAAGTCCAAGTCTTCTTTGACAACATCTCTTCTGAACCTCAA
 AACCGTTCTAGGCGGACAACATGGGCTGAAGAGAGAAAGCTGAACACTGAGACTTTTGGAGTGTACGGG
 AGGTTCTTCTGTCGCGCAGTTCACGTGGTGGATTCCGGGAGGCGAGGAAATGGGACAACACGGCGCA
 ACCCACTTCCACCGAGCTGGGACTGGCCGGTA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217823 representing NM_177727
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MSGSSGTPYLGSKISLISKAQIRYEGILYITIDTNDSTVALAKVRSFGTEDRPTDRPAPPREEIYEYIIFR
 GSDIKDITVCEPPKAQHTLPQDPAIVQSSLGSASAPFQPHVPYSPFRGMPPYQQLAASSLLSQQYAASL
 GLGAGFPSTPVGKSPMVEQAVQTSVDNLNAKLLPSKVT SATQLNGRQAQPSSKPASDVVQPAPVHTQG
 QVNDENRRPPRRRSNRRTRNRSRQNRPTNVKENTIKFEGDFDFESANAQFNREELDKFKKLNFKDD
 KADKGEEKDPAVMAQSEETA A EEDLLGPNCCYYDKSKSFFDNISSELKTSRRTTWAERKLNTETFGVSG
 RFLRGRSSRGGFRGNGTTRNPTSHRAGTGRV

TRTRPLE - GFP Tag - V

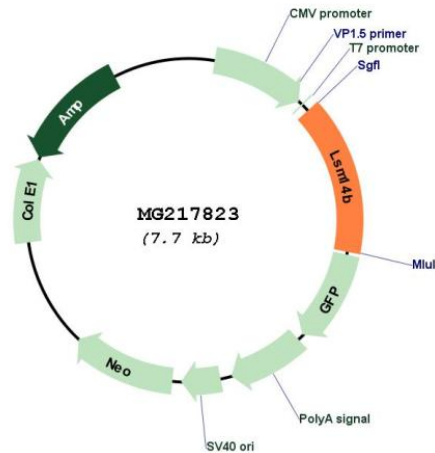
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	NM_177727.4 , NP_808395.2
RefSeq Size:	2560 bp
RefSeq ORF:	1158 bp
Locus ID:	241846
UniProt ID:	Q8CGC4
Cytogenetics:	2 H4
Gene Summary:	May play a role in control of mRNA translation.[UniProtKB/Swiss-Prot Function]