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Product datasheet for SC100990

LSM14A (NM_015578) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSM14A (NM_015578) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSM14A
Synonyms:	C19orf13; FAM61A; RAP55; RAP55A
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC100990 sequence for NM_015578 edited (data generated by NextGen Sequencing)

ATGAGCGGGGGCACCCCTTACATCGGCAGCAAGATCAGCCTCATCTCCAAGGCGGAGATC
CGCTACGAGGGCATCCTCTACACCATCGACACCGAAAACTCCACCGTAGCCCTTGCCAAA
GTTCGATCCTTTGGTACAGAAGACAGACCGACAGATCGTCCAATACCACCTCGAGATGAA
GTCTTTGAATACATTATATTCCGTGGGAGTGACATTAAAGACCTTACTGTTTGTGAGCCA
CCAAAACCACAGTGTTCTTTGCCTCAAGACCCAGCTATTGTTCAGTCCTCACTAGGCTCA
TCGACTTCTTCATTCCAGTCCATGGGTTCTTATGGACCTTTCGGCAGGATGCCCACATAC
AGTCAGTTCAGTCCGAGTTCCTTAGTTGGGCAGCAGTTTGGTGCTGTTGGTGTTGCTGGA
AGCTCTTTGACATCCTTTGGAACAGAAACATCAAACAGTGGTACCTTACCCCAAAGTAGT
GCGGTTGGTTCTGCCTTTACACAGGATACAAGATCTCTAAAAACACAGTTATCTCAAGGT
CGCTCAAGCCCTCAGTTAGACCCTTTGAGAAAAAGCCCAACCATGGAACAAGCAGTGCAG
ACCGCCTCAGCCCACTTACCTGCTCCAGCAGCTGTTGGGAGAAGGAGTCCTGTATCAACC
AGGCCTTTGCCATCTGCCAGCCAAAAGGCAGGAGAGAATCAGGAGCACAGGCGAGCTGAA
GTACACAAAGTTTCAAGGCCAGAAAGTGAGCAACTCAGAAATGATAACAAGAGACAAGTA
GCTCCAGGTGCTCCTTCAGCTCCAAGGAGAGGGCGTGGGGGTCATCGGGGTGGCAGGGGA
AGATTTGGTATTCGGCGAGATGGGCCAATGAAATTTGAGAAAGACTTTGACTTTGAAAGT
GCAAATGCACAATTCAACAAGGAAGAGATTGACAGAGAGTTTCATAATAAACTTAAATTA
AAAGAAGATAAACTTGAGAAACAGGAGAAGCCTGTAAATGGTGAAGATAAAGGAGACTCA
GGAGTTGATACCCAAAACAGTGAAGGAAATGCCGATGAAGAAGATCCACTTGGACCTAAT
TGCTATTATGACAAAACTAAATCCTTCTTTGATAATATTTCTTGTGATGACAATAGAGAA
CGGAGACCAACCTGGGCTGAAGAAAGAAGATTAAATGCTGAAACATTTGGAATCCCACTT
CGTCCAAACCGTGGCCGTGGGGGATACAGAGGCAGAGGAGGTCTTGGTTTCCGTGGTGGC
AGAGGGCGTGGTGGTGGCAGAGGTGGTACCTTCACTGCCCCTCGAGGATTTCGCGGTGGA
TTCAGAGGAGGTCGTGGGGGCCGGGAGTTTGCGGATTTTGAATATAGGAAAGACAACAAA
GTTGCTGCATAG

Clone variation with respect to NM_015578.2
746 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015578 unedited

NGTTTTCAAAATTGTATACGACTCACTATAGGCGGCCGCGAATCGGCACGAGGCTGCTGT
AGGCGCCGACGGAGCGAGCGGGCGTGCGGAGCGGGCGACAGTGGCGTGGGATCTGCCTCT
CTGCGAGCAGCTGGGAGCGGCGGCGGCGGCGCCATGAGCGGGGGCACCCCTTACATCGGC
AGCAAGATCAGCCTCATCTCCAAGGCGGAGATCCGCTACGAGGGCATCCTCTACACCATC
GACACCGAAAACTCCACCGTAGCCCTTGCCAAAGTTCGATCCTTTGGTACAGAAGACAGA
CCGACAGATCGTCCAATACCACCTCGAGATGAAGTCTTTGAATACATTATATTCCGTGGG
AGTGACATTAAAGACCTTACTGCTTGTGAGCCACCAAAACCACAGTGTTCTTTGCCTCAA
GACCCAGCTATTGTTCAGTCCTCACTAGGCTCATCGACTTCTTCATTCCAGTCCATGGGT
TCTTATGGACCTTTCGGCAGGATGCCCACATACAGTCAGTTCAGTCCGAGTTCCTTAGTT
GGGCAGCAGTTTGGTGCTGTTGGTGTTGCTGGAAGCTCTTTGACATCCTTTGGAACAGAA
ACATCAAACAGTGGTACCTTACCCCAAAGTAGTGCGGGTTGGTTCTGCCTTTACACAGGA
TACAAGATCTCTAAAAACACAGTTATCTCAAGGTCGCTCAAGCCCTCAGTTAGACCCTTT
GAGAAAAAGCCCAACCATGGAACAAGCAGTGCAGACCGCCTCAGCCCACTTACCTGCTNC
AGCAGCTGTTGGGAGAAGGAGTCCTGTNATCAACCAGCCTTTGCCATCTGCCAGCCAAAA
GGCAGGAGAGAATCANGACACAGGCGAGCTGAGTACACCAAGTTTAAGGGCCAGAAGTGA
GCACTCAGAAATGATACAGAGACAGTGCTCAG

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_015578 unedited
GTACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATTGAACAGTTTTATT
CTGTTTTAGAATAAAAACTTTGCTTTAATATTGTAAGGGGTACTGCAGGTATGCCATGCT
GCCAGTTATTGCTGGGGCACAAAACGCCCCAGTCAGTGATTCGGAGGGCTGGGAAAACGC
ATAAACTCATAATTTCAGAGCAAGTAGAACTAGTATTTACAGTTTTCTTTCTTGAAATTG
GCCCGGGACATCTCCAACAGTCTACACATGTATTGCCATGGTACTTGCTCTGATGCTCTG
AATGCCTCGGAACTGTGTTCAATATCATGATTTGTGGGTCCTCTAAAAGGTTTTGTTGTT
AACATGCAAGCAAACAGCACTGAACAATATTGTCTAAACTATGGCTGCCAAGTACTGGAT
CTTCATAATGAAACCAAATTACAAAACACTGCCTTGTAGAGCTATACAAAAGATATAAAA
TGAAAATAAAAAATGTCAACCAGCCTTAAATATTCCAATTCTCCTACAGTGCAGTTTCTA
TATCTTTATCACTACTGAATGTTTTAAGGAGAAAAGTTAAGAAAACATCAAAATATTAGA
TAAAAATATTTAAATCTTTGGATCCTTTTATTCCATGGCCTTCATAAAACACAAAAGTGG
CCAGATTTTTCCCACTAGAGCTTAAAATATCAAANAGATTCACTAGTAATTTATAATTAG
CAATGAACTCTATACTGAGTCATCTGTGGGTCATCATAGGCCCAAGGACCAGTGTTGCCG
TGTGTTACAGGCTACAAAATAATTTCTAGCCTCTGAATCTCCTGAANATGATGGATGAGT
CAAGTATTCTGACTAAATTCAGGCTATAAGGAAAACAGTCATGATGCCTATTTTAAGTCC
TCAAAAGGGGGAGATACTATTTGAAATCAGCAAGTCATTCCACTGGGATATTCCTTGTAC
CGAAATTCGTTATCGGAGATCCGGGATGCCC
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Restriction Sites: NotI-NotI

ACCN: NM_015578

Insert Size: 3500 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_015578.1, NP_056393.1

RefSeq Size: 3389 bp

RefSeq ORF: 1392 bp

Locus ID: 26065

UniProt ID: Q8ND56

Cytogenetics: 19q13.11

Gene Summary: Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) lacks an alternate exon compared to variant 1 and encodes isoform b. While isoforms a and b are of the same length, their C-termini are different.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.