

Product datasheet for **RG202352**

LSM14A (NM_015578) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LSM14A
Synonyms:	C19orf13; FAM61A; RAP55; RAP55A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202352 representing NM_015578
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCGGGGGACCCCTTACATCGGCAGCAAGATCAGCCTCATCTCCAAGCGGAGATCCGCTACGAGG
 GCATCCTCTACACCATCGACACCGAAACTCCACCGTAGCCCTTGCCAAAGTTCGATCCTTTGGTACAGA
 AGACAGACCGACAGATCGTCCAATACCACCTCGAGATGAAAGTCTTTGAATACATTATATTCGCTGGGAGT
 GACATTAAAGACCTTACTGTTGTGAGCCACCAAAACCACAGTGTCTTTGCCTCAAGACCCAGCTATTG
 TTCAGTCTCACTAGGCTCATCGACTTCTTCATTCCAGTCCATGGGTTCTTATGGACCTTTCCGCGAGGAT
 GCCCACATACAGTCAGTTCAGTCCGAGTTCCTTAGTTGGGCAGCAGTTTGGTGTCTTGGTGTGCTGGA
 AGCTCTTTGACATCCTTTGGAACAGAAACATCAAACAGTGGTACCTTACCCCAAAGTAGTGCGGTGGTT
 CTGCTTTTACACAGGATACAAGATCTCTAAAAACACAGTTATCTCAAGGTCGCTCAAGCCCTCAGTTAGA
 CCCTTTGAGAAAAAGCCCAACCATGGAACAAGCAGTGCAGACCGCCTCAGCCCACTTACCTGCTCCAGCA
 GCTGTTGGGAGAAGGAGTCTGTATCAACCAGGCCTTTGCCATCTGCCAGCCAAAAGGCAGGAGAGAATC
 AGGAGCACAGGCGAGCTGAAGTACACAAAGTTTCAAGGCCAGAAAATGAGCAACTCAGAAATGATAACAA
 GAGACAAGTAGCTCCAGGTGCTCCTCAGCTCCAAGGAGAGGGCGTGGGGTTCATCGGGGTGGCAGGGGA
 AGATTTGGTATTCGCGGAGATGGGCAATGAAATTTGAGAAAGACTTTGACTTTGAAAGTGCAATGCAC
 AATTCAACAAGGAAGAGATTGACAGAGAGTTTCATAATAAACTTAAATTTAAAGAAAGATAAACTTGAGAA
 ACAGGAGAAGCCTGTAATGGTGAAGATAAAGGAGACTCAGGAGTTGATACCCAAAACAGTGAAGGAAAT
 GCCGATGAAGAAGATCCACTTGGACCTAATTGCTATTATGACAAAATAAATCCTTCTTTGATAATATTT
 CTTGTGATGACAATAGAGAACGGAGACCAACCTGGGCTGAAGAAAGAAGATTAAATGCTGAACATTTGG
 AATCCCACTTCGTCCAAACCGTGGCCGTGGGGGATACAGAGGCAGAGGAGGTCTTGGTTCCGCTGGTGGC
 AGAGGGCGTGGTGGTGGCAGAGGTGGTACCTTCACTGCCCCCTCGAGGATTTCCGCGTGGATTGAGGAG
 GTCGTGGGGGCCGGGAGTTTGGCGATTTTGAATATAGGAAAGACAACAAAGTTGCTGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202352 representing NM_015578
 Red=Cloning site Green=Tags(s)

MSGGTPYIGSKISLISKAIEIRYEGILYITDENSTVALAKVRSFGTEDRPTDRPIPPRDEVFEYIIFRGS
 DIKDLTVCEPPKPQCSLPQDPAIVQSSLSSTSSFSMGSYGPFGRMPTYSQFSPSSLVGQQFGAVGVAG
 SSLTSFGTETSNSGTLTPQSSAVGSAFTQDTRSLKTQLSQGRSSPQLDPLRKSPTEQAVQTASAHLPA
 AVGRRSPVSTRPLPSASQKAGENQEHRRAEVHKVSRPENEQLRNDNKRQVAPGAPSAPRRGRGGHRRGRG
 RFGIRRDGPMKFEKDFDFESANAQFNKEEIDREFHNKLKLEKLEKQKPVNGEDKGDGSGVDTQNSEGN
 ADEEDPLGPNCYYDKTSFFDNI SCDDNRERRPTWAEERLNAETFGIPLRPNRGRGGYRGRGGLGFRGG
 RGRGGGRGTTAPRGRGGRGGRGREFADFEYRKDNKVAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015578

ORF Size: 1389 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015578.4](#)

RefSeq Size: 3389 bp

RefSeq ORF: 1392 bp

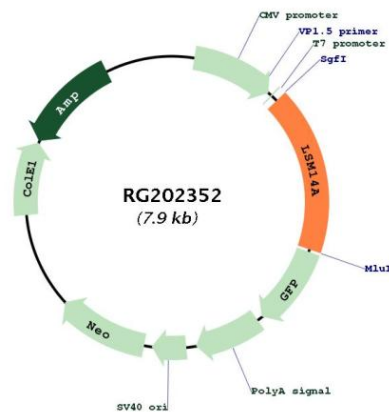
Locus ID: 26065

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]

Product images:



Circular map for RG202352