

Product datasheet for **RG225784**

LSM14A (NM_001114093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSM14A (NM_001114093) Human Tagged ORF Clone
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)



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ORF Nucleotide Sequence:

>RG225784 representing NM_001114093
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGGGGACCCCTTACATCGGCAGCAAGATCAGCCTCATCTCCAAGCGGAGATCCGCTACGAGG
 GCATCCTCTACACCATCGACACCGAAAACCTCCACCGTAGCCCTTGCCAAAGTTTCATCCTTTGGTACAGA
 AGACAGACCGACAGATCGTCCAATACCACCTCGAGATGAAGTCTTTGAATACATTATATCCGTTGGGAGT
 GACATTAAGACCTTACTGTTTGTGAGCCACAAAACCACAGTGTCTTTGCCTCAAGACCCAGCTATTG
 TTCAGTCTCACTAGGCTCATCGACTTCTTATTCCAGTCCATGGGTTCTTATGGACCTTTCGGCAGGAT
 GCCACATACAGTCAGTTCAGTCCGAGTTCCTTAGTTGGGCAGCAGTTCGTTGCTGTTGGTGTGCTGGA
 AGCTCTTTGACATCCTTTGGAACAGAAACATCAAACAGTGGTACCTTACCCCAAAGTAGTGGGTTGGTT
 CTGCCTTACACAGGATACAAGATCTCTAAAAACACAGTTATCTCAAGGTCGCTCAAGCCCTCAGTTAGA
 CCCTTTGAGAAAAGCCCAACCATGGAACAAGCAGTGCAGACCGCCTCAGCCACTTACCTGCTCCAGCA
 GCTGTTGGGAGAAGGAGTCTGTATCAACCAGGCCTTGGCCATCTGCCAGCCAAAAGGCAGGAGAGAATC
 AGGAGCACAGGCGAGCTGAAGTACACAAAGTTTCAAGGCCAGAAAATGAGCAACTCAGAAATGATAACAA
 GAGACAAGTAGCTCCAGGTGCTCCTTACGCTCCAAGGAGAGGGCGTGGGGTTCATCGGGGTGGCAGGGGA
 AGATTTGGTATTCGGCGAGATGGCCAATGAAATTTGAGAAAGACTTTGACTTTGAAAGTCAAATGCAC
 AATTCAACAAGGAAGAGATTGACAGAGAGTTTCATAATAAACTTAAATTAAGAAGATAAACTTGAGAA
 ACAGGAGAAGCCTGTAATGGTGAAGATAAAGGAGACTCAGGAGTTGATACCCAAACAGTGAAGGAAAT
 GCCGATGAAGAAGATCCACTTGGACCTAATTGCTATTATGACAAAATAAATCCTTCTTTGATAATTT
 CTTGTGATGACAATAGAGAACGGAGACCAACCTGGGCTGAAGAAAGAAGATTAATGCTGAAACATTTGG
 AATCCCACTTCGTCAAACCGTGGCCGTGGGGGATACAGAGGCAGAGGAGTCTTGGTTTCCGTGGTGGC
 AGAGGGCGTGGTGGTGGCAGAGGTGCTACCTTCACTGCCCTCGAGGATTTCCGGTGGATTGAGAGGAG
 GTCGTGGGGGCCGGGAGTTTGGGATTTGAATATAGGAAAACCACAGCTTTTGGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225784 representing NM_001114093
 Red=Cloning site Green=Tags(s)

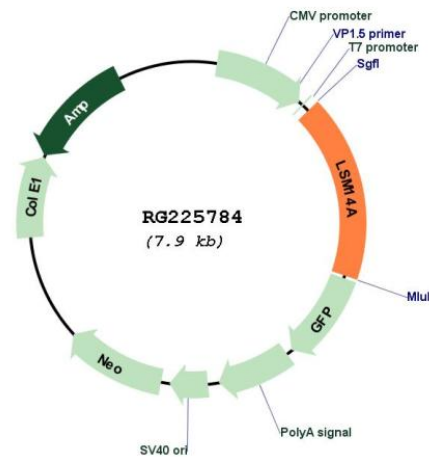
MSGGTPYIGSKISLISKAEIRYEGILYITDENSTVALAKVRSFGTEDRPTDRPIPPRDEVFEYIIFRGS
 DIKDLTVCEPPKQCSLPQDPAIVQSSLGSSTSSFQSMGSYGPFGRMPTYSQFSPSSLVGGQFGAVGVAG
 SSLTSFGTETSNSGLPQSSAVGSAFTQDTRSLKTQLSQGRSSPQLDPLRKSPTMEQAVQTASAHL PAPA
 AVGRRSPVSTRPLPSASQKAGENQEHRRAEVHKVSRPENEQLRNDNKRQVAPGAPSAPRRGRGGHRGGG
 RFGIRRDGPMKFEKDFEFESANAQFNKEEIDREFHNKLLKEDKLEKQEKPVNGEDKGDGSDVDTQNSEGN
 ADEEDPLGPNCYYDKTKSFFDNI SCDDNRERRPTWAEERLNAETF GIPLRPNRGRGGYRGRGGLGFRGG
 RGRGGRRGGTFTAPRGFRGGFRGGREFADFEYRKTAFGP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001114093

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:	<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_001114093.3</u>
RefSeq Size:	3772 bp
RefSeq ORF:	1392 bp
Locus ID:	26065
UniProt ID:	<u>Q8ND56</u>
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]