

Product datasheet for **RG218487**

FAM61B (LSM14B) (NM_144703) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM61B (LSM14B) (NM_144703) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM61B
Synonyms:	bA11M20.3; C20orf40; FAM61B; FT005; LSM13; RAP55B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218487 representing NM_144703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGGCTCCTCAGGCACCCCGTATCTGGGCAGCAAGATCAGCCTCATCTCCAAGGCGCAGATCCGCT
 ACGAGGGCATTCTCTACACCATCGACACCGACAACCTCCACCGTGGCGCTCGCCAAAGTGAGGTCTTTGG
 CACTGAAGACCGTCCCACAGATAGGCCTGCGCCCCCAGAGAGGAGATTTATGAGTACATCATTTTCCGA
 GGAAGTGACATCAAGGATATCACTGTGTGTGAACCTCCGAAAGCTCAGCACACACTCCCGCAGGATCCCG
 CCATTGTTCACTCTCCCTGGGTTCTGCCTCCGCCTCGCCCTTCCAGCCGCACGTGCCTTACAGCCCTTT
 CCGAGGGATGGCGCCCTACGGCCCGCTGGCGGCCAGCTCCCTGCTCAGCCAGCAGTATGCCGCCTCCCTG
 GGTCTAGGAGCTGGTTTTCCATCCATCCAGTCGCAAGAGCCCCATGGTGGAGCAGGCTGTGCAGACTG
 GTTCTGCTGACAACCTGAATGCTAAAAAGCTGTTACCTGGCAAGGGCACCACAGGGACGCAGCTCAACGG
 TCGTCAGGCCCAGCCGAGCAGCAAGACGGCCAGCGATGTAGTCCAGCCGGCAGCTGTGCAAGCTCAAGGG
 CAGGTGAATGACGAGAACAGAAGACCTCAGAGGAGGCGATCAGGAAACAGGCGAACAAGGAATCGCTCCA
 GAGGGCAAAACCGTCCAACCTAACGTTAAGGAAAACACAATCAAATTTGAGGGTGACTTTGATTTTCGAGAG
 TGCAAAATGCCAGTTCAACCGAGAGGAGCTTGACAAAGAATTTAAGAAGAACTGAATTTTAAAGATGAC
 AAGGCTGAGAAGGGGAAGAGAAGGACCTGGCTGTGGTGACCCAGAGTGCCGAAGCGCCCGCTGAGGAAG
 ACCTTCTGGGGCCCAACTGCTACTATGACAAATCCAAGTCGTTCTTCGACAACATCTCTTCTGAACCTCAA
 GACCAGCTCCAGCGGACGACGTGGGCCGAAGAGAGGAAGCTCAACACAGAGACCTTTGGGGTGTACGGG
 AGGTTTCTCTGTGGCCGAGTTCTCGGGCGGATTCCGAGGAGGCAGGGGCAATGGGACCACCCGTCGCA
 ACCCACTTCCACAGGGCCGGGACTGGCAGGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218487 representing NM_144703
 Red=Cloning site Green=Tags(s)

MSGSSGTPYLGSKISLISKAQIRYEGILYITIDTNDSTVALAKVRSFGTEDRPTDRPAPPREEIYEYIIFR
 GSDIKDITVCEPPKAQHTLPQDPAIVQSSLGSASAPFQHPVPYSPFRGMAPYGPLAASSLLSQQYAASL
 GLGAGFPSIPVGKSPMVEQAVQTGSADNLNAKKLLPGKTTGTQLNGRQAQPSKTAADVVPAAVQAQG
 QVNDENRRPQRRRSNRRTRNRSRGQNRPTNVKENTIKFEGDFDFESANAQFNREELDKEFKKKLNFKDD
 KAEKGEEKDLAVVTQSAEAPAEEDLLGPNCYYDKSKSFFDNISSELKTSRRTTWAEERKLNTETFGVSG
 RFLRGRSSRGGFRGGRGNTTRNPTSHRAGTGRV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_144703

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_144703.3

RefSeq Size: 2618 bp

RefSeq ORF: 1158 bp

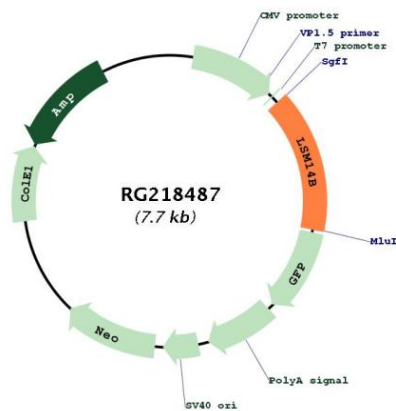
Locus ID: 149986

UniProt ID: Q9BX40

Cytogenetics: 20q13.33

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

Product images:



Circular map for RG218487