

Product datasheet for RC218487

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:	Myc-DDK
Symbol:	FAM61B
Synonyms:	bA11M20.3; C20orf40; FAM61B; FT005; LSM13; RAP55B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218487 representing NM_144703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGCTCCTCAGGCACCCGTATCTGGGCAGCAAGATCAGCCTCATCTCCAAGGCGCAGATCCGCT
ACGAGGGCATTCTACACCATCGACACCGACAACCTCCACCGTGGCGCTCGCCAAAGTGAGGTCTTTGG
CACTGAAGACCGTCCCACAGATAGGCTGCGCCCCCAGAGAGGAGATTTATGAGTACATCATTTCCGA
GGAAGTGACATCAAGGATATCACTGTGTGTGAACCTCCGAAAGCTCAGCACACACTCCCGCAGGATCCCG
CCATTGTTCAGTCTTCCCTGGTCTGCCTCCGCTCGCCCTTCCAGCCGCACGTGCCTTACAGCCCTTT
CCGAGGGATGGCGCCCTACGGCCCGCTGGCGGCCAGCTCCCTGCTCAGCCAGCAGTATGCCGCTCCCTG
GGTCTAGGAGCTGGTTTTCCATCCATCCCAGTCCGCAAGAGCCCCATGGTGGAGCAGGCTGTGCAGACTG
GTTCTGCTGACAACTGAATGCTAAAAAGCTGTTACCTGGCAAGGGCACCACAGGGACGCAGCTCAACGG
TCGTCAAGCCAGCCGAGCAGCAAGACGGCCAGCGATGTAGTCCAGCCGGCAGCTGTGCAAGCTCAAGGG
CAGGTGAATGACGAGAACAGAAGACCTCAGAGGAGGCGATCAGGAAACAGGCGAACAAGGAATCGCTCCA
GAGGGCAAACCGTCCAACCTAACGTTAAGGAAAACACAATCAAATTTGAGGGTGACTTTGATTTTCGAGAG
TGCAAAATGCCAGTTCAACCGAGAGGAGCTTGACAAAAGAAATTAAGAAGAAACTGAATTTAAAGATGAC
AAGGCTGAGAAGGGGAAGAGAAGGACCTGGCTGTGGTGACCCAGAGTGCCGAAGCGCCCGCTGAGGAAG
ACCTTCTGGGGCCAACTGCTACTATGACAAAATCCAAGTCTTTCGACAACATCTTCTGAACTCAA
GACCAGCTCCAGGCGGACGAGCTGGGCCGAAGAGAGGAAGCTCAACACAGAGACCTTTGGGTGTCAAGG
AGGTTTCTCGTGGCCGAGTTCTCGGGCGGATTCCGAGGAGGCAGGGCAATGGGACCACCCGTCGCA
ACCCCACTTCCACAGGGCCGGGACTGGCAGGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218487 representing NM_144703
Red=Cloning site Green=Tags(s)

MSGSSGTPYLGSKISLISKAQIRYEGILYTIDTDNSTVALAKVRSFGTEDRPTDRPAPPREEIYEYIIFR
 GSDIKDITVCEPPKAQHTLPQDPAIVQSSLGSASAPFQHPVYSPFRGMAYGPLAASSLLSQYAAASL
 GLGAGFPSIPVGKSPMVEQAVQTGSADNLNAKKLLPGKGTGTQLNGRQAQPSSKTASDVVQPAAVQAQG
 QVNDENRRPQRRRSNRRTRNRSRGQNRPTNVKENTIKFEGDFDFESANAQFNREELDKFKKKLNFKDD
 KAEKGEEKDLAVVTQSAEAPAEEDLLGPNCYDYSKSFDFDNISSELKTSRRTTWAERKLNTETFGVSG
 RFLRGRSSRGGFRGGRNGTTRRNPTSHRAGTGRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8021_f07.zip

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

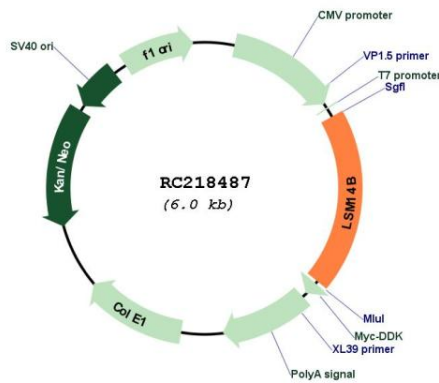
UniProt ID: [Q9BX40](#)

Cytogenetics: 20q13.33

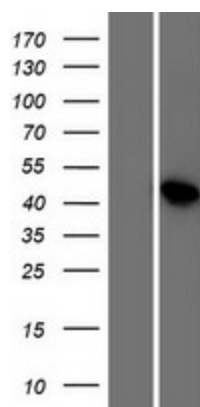
MW: 41.9 kDa

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

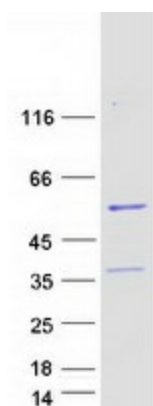
Product images:



Circular map for RC218487



Western blot validation of overexpression lysate (Cat# [LY408171]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218487 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LSM14B protein (Cat# [TP318487]). The protein was produced from HEK293T cells transfected with LSM14B cDNA clone (Cat# RC218487) using MegaTran 2.0 (Cat# [TT210002]).