

Product datasheet for **RC210872**

FAM98B (NM_001042429) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM98B (NM_001042429) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM98B
Synonyms:	FLJ38426
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210872 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGAGGGCGGAGCCGGGTCCCAACCGACGATGGAGGGAGACGTGCTGGACACACTGGAGGCGCTGG
GGTATAAAGGACCATTGTTAGAAGAGCAAGCCCTTACAAAGCGGCAGAGGGTGGATTATCTTCACCTGA
ATTTTCAGAGCTCTGTATTTGGTTAGGCTCTCAAATAAAATCATTATGCAACTTGAAGAAAGTATCACG
TCTGCTGGAAGAGATGATCTAGAGAGCTTCCAGCTTGAGATAAGTGGCTTTTAAAGAAATGGCATGTC
CATATTCTGTACTCATATCAGGAGATATTAAGATCGTTTAAAAAGAAGGAGGACTGTTTGAACTTCT
ATTATTTTAAAGTACAGAACTTCAAGCTTCACAGATATTACAGAACAAAGAACATAAAATTTCTCAATTA
GATAAAATAGTGAAGTTTATCAGGAAGTTCAAGCTATGTTTGATACACTTGGTATACCCAAGTCAACAA
CTTCTGACATTCCGCATATGCTAAACCAAGTGAATCAAAGGTGAAAGATATTCTCTCAAAGGTCCAGAA
AAATCATGTGGGAAAACCACTGCTGAAAATGGATTTAAATTGAGAACAGGCGGAACAACTGGAAAGAATC
AATGATGCTCTTTCCTGTGAATATGAGTGCCGCCGACGAATGTTAATGAAACGATTAGATGTGACTGTAC
AGTCCTTTGGATGGTCTGATAGAGCAAAGGTAAAAACAGATGATATAGCAAGAATTTATCAGCCTAAGCG
TTATGCTTTGTACCCAAGACAACGATTACAATGGCACATCTACTTGCTGCTCGTGAAGATCTATCCAAG
ATCATTAGGACAAGTAGTGGCACCAGCCGGGAGAAGACCGCATGTGCCATTAATAAGGTTGGTGTTCCTT
TCAGTACAGTGGAAAATGAATTGATGATATCTTACTTAATGTTTTTACAGATTTTAGTCTATTTTCTTT
CATGTCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210872 protein sequence
 Red=Cloning site Green=Tags(s)

MRGPEPGPQPTMEGDVLDLTLEALGYKGPLLEEALTKAAEGGLSSPEFSELCIWLGSQIKSLCNLEESIT
 SAGRDDLESFQLEISGLKEMACPYSVLISGDIKDRKKKEDCLKLLFLSTELQASQILQNKHKHNSQL
 DKNSEVYQEVQAMFDLIGPKSTSDIPHMLNQVESKVKDILSKVQKNHVGKPLMKMDLNSEQAEQLERI
 NDALSCEYECRRRMLMKRLDVTQVQSGFWSDRKVKTDIARIYQPKRYALSPKTTITMAHLLAAREDLISK
 IIRTSSGTSREKTACAINKVGVSFSTVENELMISYLMFLQILVYFSFMSW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6383_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042429

ORF Size: 990 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_001042429.1, NP_001035894.1

RefSeq Size: 1101 bp

RefSeq ORF: 992 bp

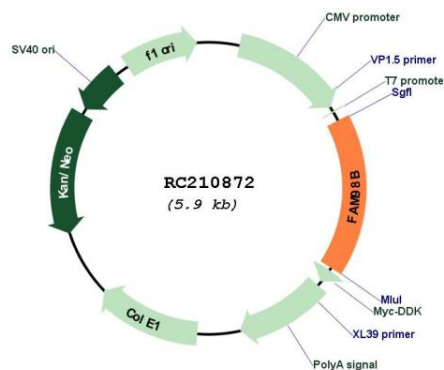
Locus ID: 283742

Cytogenetics: 15q14

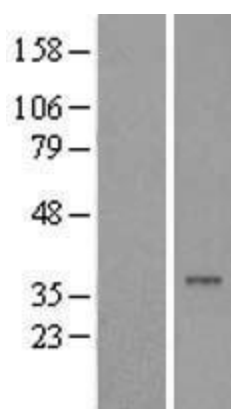
MW: 37.2 kDa

Gene Summary: Positively stimulates PRMT1-induced protein arginine dimethylated arginine methylation (PubMed:28040436). Promotes colorectal cancer cell malignancy (PubMed:28040436). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC210872



Western blot validation of overexpression lysate (Cat# [LY420899]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210872 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).