

Product datasheet for **RC235879**

FAM168A (NM_001286051) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAM168A (NM_001286051) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FAM168A
Synonyms: KIAA0280; TCRP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235879 representing NM_001286051
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAACCTGTTTACAGCCCGTGCAGCCTGGGGCTCCTTATGGCAACCCTAAGAACATGGCCTACACGG
 GTTACCCACAGCCTATCCAGCAGCTGCCCTGCCTACAATCCAGCCTGTACCCACCAATAGTCCAG
 TTATGCTCCAGCAACTCTGCTGATGAAACAGGCCTGGCCACAGAACTCGTCTTCTGTGGCACTGAAGGC
 ACCTTCCACCTCCAGTGGACACCGGGACCGAGAACCAGAACTTACCAAGCATCCTCTGCGGCTTTCAGTA
 CCCTGCTGACTACACCCAGCACACGGCGATTGGGGCACACCCTGTCTCCATGCCAATATAGGGCCA
 AGGAACCCCTGCGTACAGCTACGTGCCCCACACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235879 representing NM_001286051
Red=Cloning site Green=Tags(s)

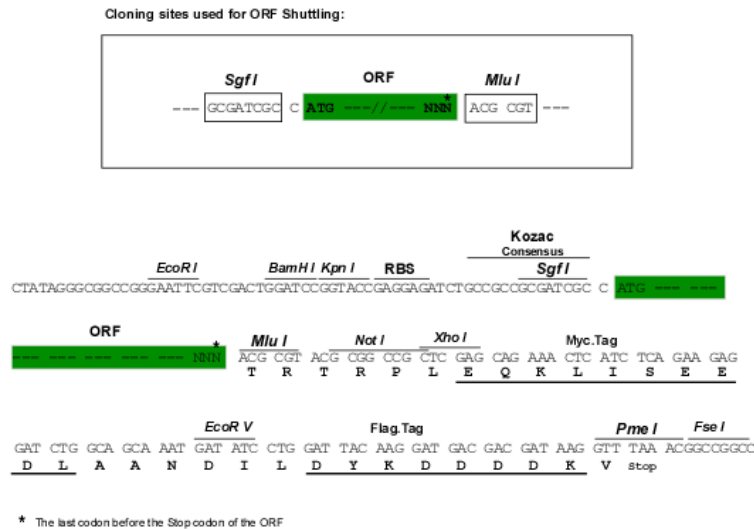
MNPVYSPVQPGAPYGNPKNMAYTGYPYAPAAAPAYNPSLYPTNSPSYAPATLLMKQAWPQNSSSCGTEG
 TFHLPVDTGTENRTYQASSAAFSTLLTTPQHTAIGAHPVSMPTYRAQGTPAYSYVPPHW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001286051

ORF Size: 387 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.

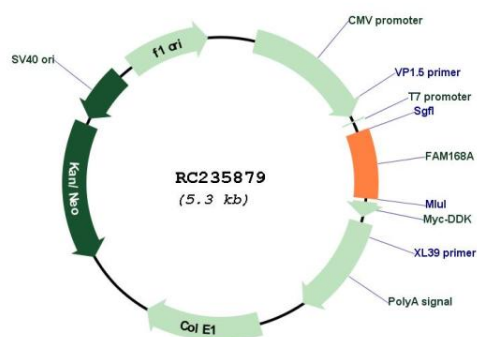
RefSeq: [NM_001286051.2](#)

RefSeq Size: 6960 bp

RefSeq ORF: 390 bp
 Locus ID: 23201
 UniProt ID: [Q92567](#)
 Cytogenetics: 11q13.4
 MW: 14.2 kDa

Gene Summary: In cancer context, protects cells from induced-DNA damage and apoptosis. Acts, at least in part, through PI3K/AKT/NFkB signaling pathway and by preventing POLB degradation. Decreases POLB ubiquitination and stabilizes its protein levels.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC235879