

Product datasheet for **RC200334**

FAM32A (NM_014077) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAM32A (NM_014077) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FAM32A
Synonyms: OTAG-12; OTAG12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200334 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCTACGAGCAGGTCCAAAAGGGACCCCTGAAGCTGAAAGGCGTCGCAGAGCTGGGAGTGACCA
AGCGGAAGAAGAAAAGAAGGACAAAGACAAAGCGAACTCCTGGAAGCAATGGGAACGAGCAAAAAGAA
CGAGGAGGAGAAGCGGCGCGCCTGGACAAGCGGACCCCGGCCAGGCGGCTTCGAGAAAATGCAGGAG
AAGCGGCAATGGAAAGGATCCTAAAGAAGGCATCCAAAACCCACAAGCAGAGAGTGGAGGACTTCAACA
GACACCTGGACACTCACGGAGCATTACGACATTCCCAAAGTCAGCTGGACGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200334 protein sequence
 Red=Cloning site Green=Tags(s)
 MEAYEQVQKGPLKLGVAELGVTKRKKKKDKDKAKLLEAMGTSKKNEEEKRRGLDKRTPAQAAFEKMQE
 KRQMERILKKASKTHKQRVEDFNRHLDLTLTEHYDIPKVSWTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6387_d08.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_014077

ORF Size: 336 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_014077.4](#)

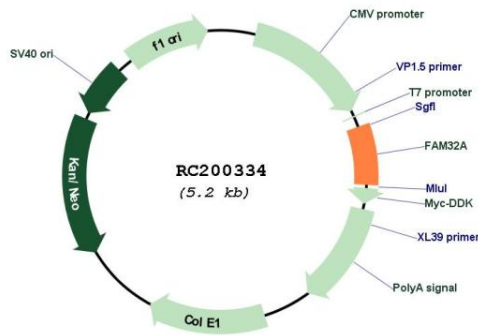
RefSeq Size: 1464 bp

RefSeq ORF: 339 bp

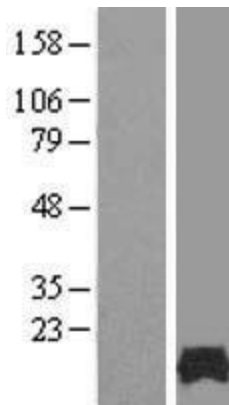
Locus ID: 26017
 UniProt ID: [Q9Y421](#)
 Cytogenetics: 19p13.11
 MW: 13.2 kDa

Gene Summary: Isoform 1, but not isoform 2 or isoform 3, may induce G2 arrest and apoptosis. May also increase cell sensitivity to apoptotic stimuli.[UniProtKB/Swiss-Prot Function]

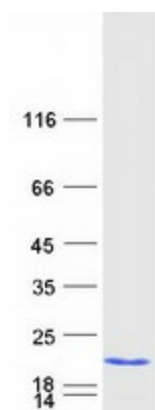
Product images:



Circular map for RC200334



Western blot validation of overexpression lysate (Cat# [LY415497]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200334 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM32A protein (Cat# [TP300334]). The protein was produced from HEK293T cells transfected with FAM32A cDNA clone (Cat# RC200334) using MegaTran 2.0 (Cat# [TT210002]).