

Product datasheet for **RC204411**

FAIM1 (FAIM) (NM_001033032) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAIM1 (FAIM) (NM_001033032) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FAIM1
Synonyms: FAIM1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204411 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTCCACAAGATCGAATTTGAACATG
GGACTACATCAGGCAAACGAGTAGTATATGTAGATGGAAAGGAAGAGATAAGAAAAGAGTGGATGTTCAA
ATTAGTGGGCAAAGAAACATTCTATGTTGGAGCTGCAAAGACAAAAGCGACCATAAATATAGACGCTATC
AGTGGTTTTGCTTATGAATATACTCTGAAATTAATGGGAAAAGTCTCAAGAAGTATATGGAGGACAGAT
CAAAAACCACCAATACTTGGGTATTACACATGGATGGTGAGAAGTTAGAAATGTTTTGGAAAAAGATGC
TATGGACGTATGGTGCAATGGTAAAAAATTGGAGACAGCGGGTGAGTTTGTAGATGATGGGACTGAACT
CACTTCAGTATCGGGAACCATGACTGTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTA
TTCATACTCTCATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204411 protein sequence
Red=Cloning site Green=Tags(s)

MTDLVAVWDVALSDGVHKIEFEHGTTSGKRVVYVDGKEEIRKEWMFKLVGKETFYVGAATKATINIDAI
SGFAYEYTLINGKSLKYMEDRSKTTNTWVLHMDGENFRIVLEKDAMDVWCNGKLETAGEFVDDGTET
HFSIGNHDCYIKAVSSGKRKEGIIHTLIVDNREIPEIAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6325_b08.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033032

ORF Size: 537 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_001033032.2](#)

RefSeq Size: 1104 bp

RefSeq ORF: 540 bp

Locus ID: 55179

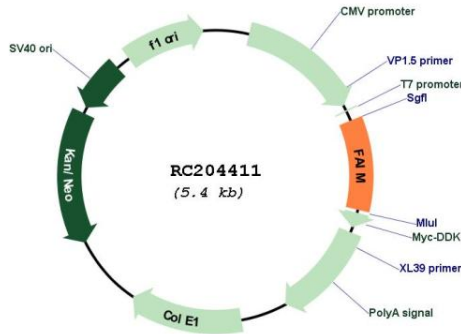
UniProt ID: [Q9NVQ4](#)

Cytogenetics: 3q22.3

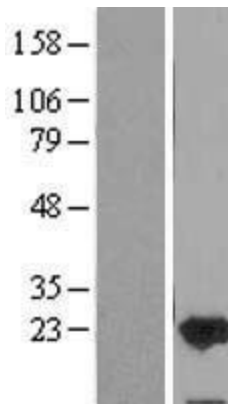
MW: 20.2 kDa

Gene Summary: The protein encoded by this gene protects against death receptor-triggered apoptosis and regulates B-cell signaling and differentiation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]

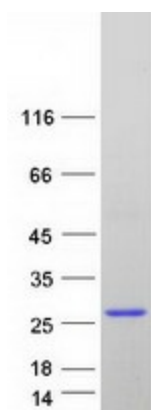
Product images:



Circular map for RC204411



Western blot validation of overexpression lysate (Cat# [LY413277]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC219731] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAIM protein (Cat# [TP304411]). The protein was produced from HEK293T cells transfected with FAIM cDNA clone (Cat# RC204411) using MegaTran 2.0 (Cat# [TT210002]).