

Product datasheet for **RC227937**

FAIM3 (FCMR) (NM_001142472) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAIM3 (FCMR) (NM_001142472) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAIM3
Synonyms:	Fas apoptotic inhibitory molecule 3; OTTHUMP00000034619; regulator of Fas-induced apoptosis; TOSO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227937 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTCTGGCTTTGGCCACTTTACTTCTGCCAGTATCGGGGCCCTGAGGATCCTCCAGAAGTAA
 AGGTAGAGGGGAGCTGGCGGATCAGTTACCATCAAGTGCCACTTCTGAAATGCATGTGAGGATATA
 TCTGTGCCGGGAGATGGCTGGATCTGGAACATGTGGTACCGTGGTATCCACCACCAACTTCATCAAGGCA
 GAATACAAGGGCCGAGTTACTCTGAAGCAATACCCACGCAAGAATCTGTTCTAGTGAGGTAACACAGC
 TGACAGAAAGTGACAGCGGAGTCTATGCCTGCGGAGCGGCATGAACACAGACCGGGAAAGACCCAGAA
 AGTCACCCCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGAGCAGCCAATGCCTGAGACTCCAAAA
 TGGTTTCATCTGCCCTATTTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATTCGTAACCAGAGTTA
 CCACACCAGCTCAAAGGGGCAAGGTCCTCCAGTTCACCACTCCTCCCCACCACCCAAATCACCACCG
 CCCTCGAGTGTCCAGAGCATCTTCAAGTAGCAGGTGACAAGCCCCGAACCTTCTGCCATCCACTACAGCC
 TCAAAAATCTCAGCTCTGGAGGGCTGCTCAAGCCCCAGACGCCAGCTACAACCACACACCAGGCTGC
 ACAGGCAGAGAGCACTGGACTATGGCTCACAGTCTGGGAGGGAAGGCCAAGGATTCACATCCTGATCCC
 GACCATCTGGGCCTTTTCTGCTGGCACTTCTGGGGCTGGTGGTGAAGGGCCGTTGAAAGGAGGAAA
 GCCCTCTCCAGGCGGGCCCGCCGACTGGCCGTGAGGATGCGCGCCCTGGAGAGCTCCAGAGGCCCGCG
 GGTGCGCCGCGACCGCGCTCCAAAACAACATCTACAGCGCTGCCCGCGGCGCGCTCGTGGAGCGGACGC
 TGCAGGCACAGGGGAGGCCCCCGTTCCCGGCCCGGAGCGCGCTTGCCTCCCGCCCGCTGCAGGTGTCT
 GAATCTCCCTGGTCCATGCCCATCTCTGAAGACCAGCTGTGAATACGTGAGCCTTACCACAGCCTG
 CCGCCATGATGGAGGACAGTGATTCAGATGACTACATCAATGTTCTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227937 protein sequence
 Red=Cloning site Green=Tags(s)

MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGTVVSTTNFIKA
 EYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTNLNVHSEYEPSWEEQMPETPK
 WFHLPYLFQMPAYASSSKFVTRVTPAQRGKVPVHSSPTTQIHRPRVSRASSVAGDKPRTFLPSTTA
 SKISALEGLLKPQTPSYNHHTLRHRALDYGSQSGREGQGFHILIPTILGLFLLALLGLVVKRAVERRK
 ALSRRARRLAVRMRALESSQRPRGSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGGAPLPPAPLQVS
 ESPWLHAPSLKTSCEYVSLYHQPAAMMEDSDSDDYINVPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6152_f09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001142472

ORF Size: 1170 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_001142472.1](#), [NP_001135944.1](#)
RefSeq Size: 3067 bp

RefSeq ORF: 1172 bp

Locus ID: 9214

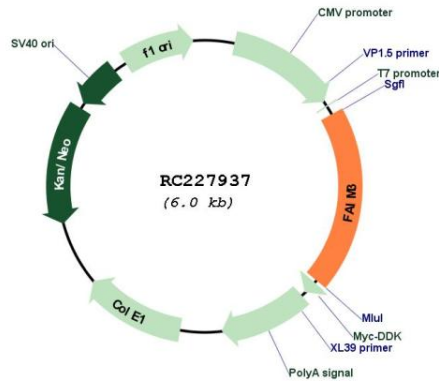
Cytogenetics: 1q32.1

Protein Families: Druggable Genome, Transmembrane

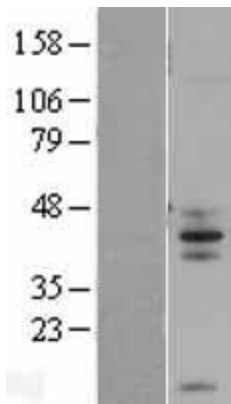
MW: 43.1 kDa

Gene Summary: Fc receptors specifically bind to the Fc region of immunoglobulins (Igs) to mediate the unique functions of each Ig class. FAIM3 encodes an Fc receptor for IgM (see MIM 147020) (Kubagawa et al., 2009 [PubMed 19858324]; Shima et al., 2010 [PubMed 20042454]). [supplied by OMIM, Jul 2010]

Product images:



Circular map for RC227937



Western blot validation of overexpression lysate (Cat# [LY428118]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227937 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).