

Product datasheet for RC231150

FAIM3 (FCMR) (NM_001193338) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAIM3 (FCMR) (NM_001193338) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAIM3
Synonyms:	FAIM3; TOSO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231150 representing NM_001193338 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACTTCTGGCTTTGGCCACTTTACTTCTGCCAGTATCGGGGCCCTGAGGATCCTCCAGAAGTAA
AGGTAGAGGGGGAGCTGGGCGGATCAGTTACCATCAAGTGCCACTTCTGAAATGCATGTGAGGATATA
TCTGTGCCGGGAGATGGCTGGATCTGGAACATGTGGTACCGTGGTATCCACCACCAACTTCATCAAGGCA
GAATACAAGGGCCGAGTTACTCTGAAGCAATACCCACGCAAGAATCTGTTCTAGTGAGGTAACACAGC
TGACAGAAAGTGACAGCGGAGTCTATGCCTGCGGAGCGGGCATGAACACAGACCGGGGAAAGACCCAGAA
AGTCACCCCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGAGCAGCCAATGCCTGAGACTCCAAAA
TGGTTTCACTGCCCATTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATTCGTAACCAGAGTTA
CCACACCAGCTCAAAGGGGCAAGGTCCTCCAGTTCACCACTCCTCCCCACCACCCAAATCACCCACCG
CCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGTGACAAGCCCCGAACCTTCTGCCATCCACTACAGCC
TCAAAAATCTCAGCTCTGGAGGGGTGCTCAAGCCCCAGACGCCAGCTACAACCACCACACAGGCTGC
ACAGGCAGAGCCCTCTCCAGGCGGGCCCGACTGGCCGTGAGGATGCGCGCCCTGGAGAGCTCCCAGA
GGCCCCGCGGGTGCAGGACCGCGCTCCAAAACAACATCTACAGCGCCTGCCCGCGCGCGCTCGTGG
AGCGGACGCTGCAGGCACAGGGGAGGCCCGTCCCGGCCCGGAGCGCCGTTGCCCGCCCGCCGCTG
CAGGTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC231150 representing NM_001193338
Red=Cloning site Green=Tags(s)

MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGTVVSTTNFIKA
 EYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTLVNHSEYEPSWEEQMPETPK
 WFHLPYLFQMPAYASSSKFVTRVTPAQRGKVPVHHSSPTTQI THRPRVSRASSVAGDKPRTFLPSTTA
 SKISALEGLLKPQTPSYNHHTRLHRQSPLQAGPPTGREDARPGELPEAPRVAATALPKQHLQRLPAARSW
 SGRCRHRGGPRSRPRSAVAPRPAAGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8050_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193338

ORF Size: 918 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_001193338.2](#)

RefSeq ORF: 921 bp

Locus ID: 9214

UniProt ID: [O60667](#)

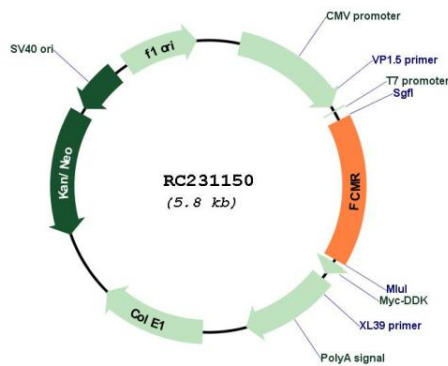
Cytogenetics: 1q32.1

Protein Families: Druggable Genome, Transmembrane

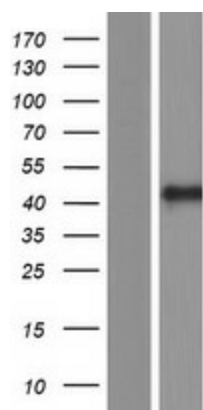
MW: 34.3 kDa

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 RC231150



Western blot validation of overexpression lysate (Cat# [LY434149]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231150 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).