

Product datasheet for **RC227723**

FAIM3 (FCMR) (NM_001142473) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAIM3 (FCMR) (NM_001142473) 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:	>RC227723 representing NM_001142473 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTTCTGGCTTTGGCCACTTTACTTCTGCCAGAATACGAGCCATCATGGGAAGAGCAGCCAATGC
CTGAGACTCCAAATGGTTTCATCTGCCCTATTTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATT
CGTAACCAGAGTTACCACACCAGCTCAAAGGGCAAGTCCCTCCAGTTCACCACTCCTCCCCACCACC
CAAATCACCCACCGCCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGTGACAAGCCCGAACCTTCTGTC
CATCCACTACAGCCTCAAAAATCTCAGCTCTGGAGGGGCTGCTCAAGCCCAGACGCCAGCTACAACCA
CCACACCAGGCTGCACAGGCAGAGAGCACTGGACTATGGCTCACAGTCTGGGAGGGAAGGCAAGGATTT
CACATCCTGATCCCGACCATCCTGGGCCTTTTCTGCTGGCACTTCTGGGGCTGGTGGTGA AAAAGGGCCG
TTGAAAGGAGGAAAGCCCTCTCCAGGCGGGCCCGGACTGGCCGTGAGGATGCGCGCCCTGGAGAGCTC
CCAGAGGCCCCGCGGGTGCAGGCACAGGGAGGCCCGCTCCAAAACAACATCTACAGCGCTGCCCGCGCGCT
CGTGGAGCGGACGCTGCAGGCACAGGGAGGCCCGTCCCGGCCCGGAGCGCCGTGGCCCCCGCC
CGCTGCAGGTGTCTGAATCTCCCTGGCTCCATGCCCATCTCTGAAGACCAGCTGTAATACGTGAGCCT
CTACCACCAGCCTGCCGCATGATGGAGGACAGTGATTCAGATGACTACATCAATGTTCTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227723 representing NM_001142473
Red=Cloning site Green=Tags(s)

MDFWLWPLYFLPEYEPSWEEQMPETPKWFHLPYLFQMPAYASSSKFVTRVTTTPAQRGKVPVHSSPTT
 QITHRPRVSRASSVAGDKPRTFLPSTTASIKSALEGLLKPTQPSYNHHTLHRQRALDYGSQSGREGQGF
 HILIPTILGLFLLALLGLVVKRAVERRKALSRRARRLAVRMRALESSQRPRGSPRPRSQNNIYSACPRRA
 RGADAAGTGEAPVPGGAPLPPAPLQVSESPWLHAPSLKTSCEYVSLYHQPAAMMEDSDSDDYINVPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001142473

ORF Size: 834 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_001142473.2](#)

RefSeq ORF: 837 bp

Locus ID: 9214

UniProt ID: [O60667](#)

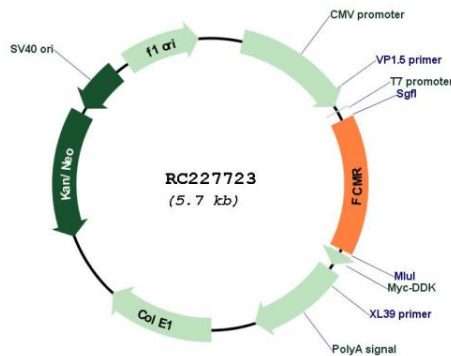
Cytogenetics: 1q32.1

Protein Families: Druggable Genome, Transmembrane

MW: 30.8 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 RC227723