

Product datasheet for **SC116741**

FAIM3 (FCMR) (NM_005449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAIM3 (FCMR) (NM_005449) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAIM3
Synonyms:	FAIM3; TOSO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005449 edited
GAATTCGGCACGAGGGAGTAAGCAGCGTGTCTCCATCCCCCTCTCTAGGGGCTCTTGAT
GGACCTTGCACCTAGAAGGGACAATGGACTTCTGGCTTTGGCCACTTTACTTCTGCCA
GTATCAGGGGCCCTGAGGATCCTCCCAGAAGTAAAGGTAGAGGGGGAGCTGGGCGGATCA
GTTACCATCAAGTGCCCACTTCTGAAATGCATGTGAGGATATATCTGTGCCGGGAGATG
GCTGGATCTGGAACATGTGGTACCGTGGTATCCACCACCAACTTCATCAAGGCAGAATAC
AAGGGCCGAGTTACTCTGAAGCAATACCCACGCAAGAATCTGTTTCTAGTGGAGTAACA
CAGCTGACAGAAAAGTGACAGCGGAGTCTATGCCTGCGGAGCGGGCATGAACACAGACCGG
GGAAAGACCCAGAAAAGTACCCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGAG
CAGCCAATGCCTGAGACTCCAAAATGGTTTCATCTGCCCTATTTGTTCCAGATGCCTGCA
TATGCCAGTTCTTCCAAATTCGTAACCAGAGTTACCACACCAGCTCAAAGGGGCAAGGTC
CCTCCAGTTCACCACTCCTCCCCACCACCCAAATCACCCACCGCCCTCGAGTGTCCAGA
GCATCTTCAGTAGCAGGTGACAAGCCCCGAACCTTCTGCCATCCACTACAGCCTCAAAA
ATCTCAGCTCTGGAGGGGCTGCTCAAGCCCCAGACGCCAGCTACAACCACCACACCAGG
CTGCACAGGCAGAGAGCACTGGACTATGGCTCACAGTCTGGGAGGGAAGGCCAAGGATTT
CACATCCTGATCCCGACCATCCTGGGCCTTTTCTGCTGGCACTTCTGGGGCTGGTGGTG
AAAAGGGCCGTTGAAAGGAGGAAAAGCCCTCTCCAGGCGGGCCCGCCGACTGGCCGTGAGG
ATGCGCGCCCTGGAGAGCTCCCAGAGGCCCGCGGGTTCGCGCGACCGCGCTCCAAAAC
AACATCTACAGCGCTGCCCGCGCGCGCTCGTGGAGCGGACGCTGCAGGCACAGGGGAG
GCCCCCGTTCCCGGCCCGGAGCGCCGTTGCCCGCCCGCCGCTGCAGGTGTCTGAATCT
CCCTGGCTCCATGCCCCATCTCTGAAGACCAGCTGTGAATACGTGAGCCTTACCACCAG
CCTGCCCCATGATGGAGGACAGTGATTCAGATGACTACATCAATGTTTCTGCCTGACAA
CTCCCCAGCTATCCCCAACCCAGGCTCGGACTGTGGTGCCAAGGAGTCTCATCTATCT
GCTGATGTCCAATACCTGCTTCATGTGTTCTCAGAGCCCTCATCACTTCCCATGCCCCAT
CTCGACTCCCATCCCATCTATCTGTGCCCTGAGCATGGCTCTGCCCCAGGTCGTCTTG
CACACCTTGGCAGCCCCCTGTAGTTGACAGGTAAGCTGTAGGCATGTAGAGCAATTGTCC
CAATGCCACTTGCTTCTTTCCAAGCCGTGCAACAGACTGTGGGATTTGCAGAGTGTTC
TTCCATGTCTTTGACCACAGGGTGTGGTGTGCCAGGCTCTAGATCACATGGCATCAGGC
TGGGGCAGAGGCATAGCTATTGTCTCGGGCATCCTTCCCAGGGTGGGTCTTACACAAAT
AGAAGGCTCTTGCTCTGAGTTATGTGACATGCCTCAGCCCCATGGACTAAGCAGGGGTCT
GGTATAAAAACACTCCTGAAAACGCCTTTGCCCTGATCCAAATGTTAGCACTTGCTAGTG
AACGTCTACTTATCTCAAGTTCTATGCTAAAGGAATTTATCTTGATGTGATGATAAACC
AACTTATTAGCAAGATATGCATATATATCCATAAATTCTTTTACTCTGTCTCCATCAC
TTGATGCACATAAGTGCCCTGACCTCAGCATCTCCCTCTAAAAAAAAAAAAAAAAAAGGAT
ATCTCTTTATCTTTTCCATAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005449 unedited
 ACGTCGTACATTGTAACGACTCCCATAGGCGGCCGACTTCGGCACGAGGGAGTAAGC
 AGCGTGTCTCCATCCCCCTCTCTAGGGCTTTGGATGGACCTTGCACTCTAGAAGGGACA
 ATGGACTTCTGGCTTTGGCCACTTTACTTCTGCCAGTATCAGGGGCCCTGAGGATCCTC
 CCAGAAGTAAAGGTAGAGGGGGAGCTGGGCGGATCAGTTACCATCAAGTGCCCACTTCT
 GAAATGCATGTGAGGATATATCTGTGCCGGGAGATGGCTGGATCTGGAACATGTGGTACC
 GTGGTATCCACCACCACTTTCATCAAGGCAGAATAACAAGGGCCGAGTTACTCTGAAGCAA
 TACCCACGCAAGAATCTGTTCTAGTGGAGGTAACACAGCTGACAGAAAGTGACAGCGGA
 GTCTATGCCTGCGGAGCGGGCATGAACACAGACCGGGAAAGACCCAGAAAGTCACCCTG
 AATGTCCACAGTGAATACGAGCCATCATGGGAAGAGCAGCCAATGCCTGAGACTCCAAAA
 TGGTTTCATCTGCCCTATTTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATTCGTA
 ACCAGAGTTACCACACCAGCTCAAAGGGGCAAGGTCCTCCAGTTCACCCTCCTCCCC
 ACCACCCAAATCACCCACCGCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGTGACAAG
 CCCCAGACCTTCTGCCATCCACTACAGCCTCAAAAATCTCAGCTCTGGAGGGGTGCTC
 AAGCCCCAGACGCCAGCTACAACCACCACACCAGGCTGCACAGGCAGAGAGCACTGGAC
 TATGGCTCACAGTCTGGNGAGGAAGGCCAAGGATTTACATCCTGATCCCGACCATCCTN
 GGCTTTTTCTGCTGGCACTTCTGGNGNNTGTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005449 unedited
 CCGCAATCTAGCATCGAGTTTTTTTTTTTTTTTTTTTTTATGGAAGAAAGAAAAGAGATAC
 TTCTTTTTTTTTTTTTTAGAGGGGAGATGCTGAGGTCAGGGCACTTATGTGCATCAAGT
 GATGGAGACAGAGTCAAGAGAATTTATGGATATATATGCATATCTTGCTAATAAGTTTGG
 CTATATCACATCAAGATAAATTCCTTTAGCATAGAAGTTGAGATAACTAGACGTTCA
 CTAGCCCCGCGCTAACATTTGGATCAGGGCAAAGGCGCTTCCAGGAGTGTTTTATACCAG
 ACCCTGTTTACTCCATGGGGCTGAGGCATGTCACATATTTAGAGCAGCACCCTTCTAT
 TTGTGTAAGACCCACCCCTGCGAAGGATGCCCGAGACAATAGCTATGCCTTTGCCCAA
 CCTGATGCCATGCGATCTAGAACCTGCGCCGCACCAACTCTGTGGCCAAAATATGGAAG
 AAACACTCTGCAAATACCACATTTCTGCTTGACCGGCTTGACAAGGAACTATGTGCCCTGG
 GCACATTTGCTCTACTGCCTTACGTTACCTGTACCTACGGGTGGGCTGCCAGCCGTGC
 CAGACCCTTGGGGCCAAAGCCTTGTCTACGGCCCCACCATAATTGCGACTGTGAATCA
 ACATAGTGTACGGGACCCGACGAGGCTTTTTACACCCTTGATACCGGCTTTGGCCATCC
 CCCATAATCCGAAACTCTTTGTGCCCCACCCTCTAACCTGGGCTTGGGGAAACCCGGG
 ACTTGTAGTCCCAACCCTCTATCACCCCTTTGTACCTTTGTTCCCTTACGCCGATCC
 CTTTTGCCAACGTCCACTTTTTCAACTCGTCTTTCAATCGGCCCGCCACCTGTCCTTT
 CCACCCTGCCCGGCTGTGGCTCCGGCCTCTCGGCTCGTAAGGGGCTTCTTTTTCTAC
 GGGTCGTTCATACCTCCGCGCGCCCTTATAAATTTATTGGCACCCGCTCTGCACCTTG
 TCCTCCGCCCCATTTGCCCTTCCCTCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_005449

Insert Size:

1930 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_005449.3 , NP_005440.1
RefSeq Size:	1968 bp
RefSeq ORF:	1173 bp
Locus ID:	9214
UniProt ID:	O60667
Cytogenetics:	1q32.1
Domains:	ig, IG
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 encode the same isoform.</p>