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Product datasheet for RG227937

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:	TurboGFP
Symbol:	FAIM3
Synonyms:	Fas apoptotic inhibitory molecule 3; OTTHUMP00000034619; regulator of Fas-induced apoptosis; TOSO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG227937 representing NM_001142472
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTTCTGGCTTTGGCCACTTTACTTCCTGCCAGTATCGGGGGCCCTGAGGATCCTCCCAGAAGTAA
AGGTAGAGGGGGAGCTGGGCGGATCAGTTACCATCAAGTGCCCACTTCCTGAAATGCATGTGAGGATATA
TCTGTGCCGGGAGATGGCTGGATCTGGAACATGTGGTACCGTGGTATCCACCACCAACTTCATCAAGGCA
GAATACAAGGGCCGAGTTACTCTGAAGCAATACCCACGCAAGAATCTGTTCCTAGTGGAGGTAACACAGC
TGACAGAAAGTGACAGCGGAGTCTATGCCTGCGGAGCGGGCATGAACACAGACCGGGGAAAGACCCAGAA
AGTCACCCTGAATGTCCACAGTGAATACGAGCCATCATGGGAAGAGCAGCCAATGCCTGAGACTCCAAAA
TGGTTTCATCTGCCCTATTTGTTCCAGATGCCTGCATATGCCAGTTCTTCCAAATTCGTAACCAGAGTTA
CCACACCAGCTCAAAGGGGCAAGGTCCCTCCAGTTCACCACTCCTCCCCCACCACCCAAATCACCCACCG
CCCTCGAGTGTCCAGAGCATCTTCAGTAGCAGGTGACAAGCCCCGAACCTTCCTGCCATCCACTACAGCC
TCAAAAATCTCAGCTCTGGAGGGGCTGCTCAAGCCCCAGACGCCCAGCTACAACCACCACACCAGGCTGC
ACAGGCAGAGAGCACTGGACTATGGCTCACAGTCTGGGAGGGAAGGCCAAGGATTTCACATCCTGATCCC
GACCATCCTGGGCCTTTTCCTGCTGGCACTTCTGGGGCTGGTGGTGAAAAGGGCCGTTGAAAGGAGGAAA
GCCCTCTCCAGGCGGGCCCGCCGACTGGCCGTGAGGATGCGCGCCCTGGAGAGCTCCCAGAGGCCCCGCG
GGTCGCCGCGACCGCGCTCCCAAAACAACATCTACAGCGCCTGCCCGCGGCGCGCTCGTGGAGCGGACGC
TGCAGGCACAGGGGAGGCCCCCGTTCCCGGCCCCGGAGCGCCGTTGCCCCCCGCCCCGCTGCAGGTGTCT
GAATCTCCCTGGCTCCATGCCCCATCTCTGAAGACCAGCTGTGAATACGTGAGCCTCTACCACCAGCCTG
CCGCCATGATGGAGGACAGTGATTCAGATGACTACATCAATGTTCCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

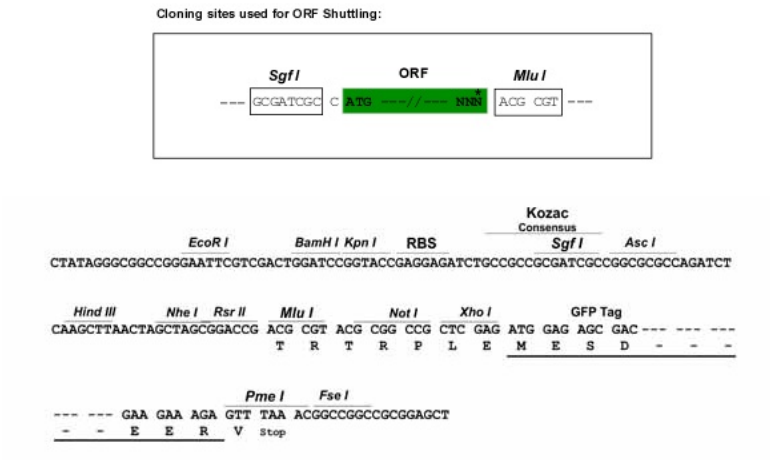
>RG227937 representing NM_001142472
Red=Cloning site Green=Tags(s)

MDFWLWPLYFLPVSGALRILPEVKVEGELGGSVTIKCPLPEMHVRIYLCREMAGSGTCGTVVSTTNFIKA
EYKGRVTLKQYPRKNLFLVEVTQLTESDSGVYACGAGMNTDRGKTQKVTLNVHSEYEPSWEEQPMPETPK
WFHLPYLFQMPAYASSSKFVTRVTTPAQRGKVPPVHHSSPTTQITHRPRVSRASSVAGDKPRTFLPSTTA
SKISALEGLLKPQTPSYNHHTRLHRQRALDYGSQSGREGQGFHILIPTILGLFLLALLGLVVKRAVERRK
ALSRRARRLAVRMRALESSQRPRGSPRPRSQNNIYSACPRRARGADAAGTGEAPVPGPGAPLPPAPLQVS
ESPWLHAPSLKTSCEYVSLYHQPAAMMEDSDSDDYINVPA

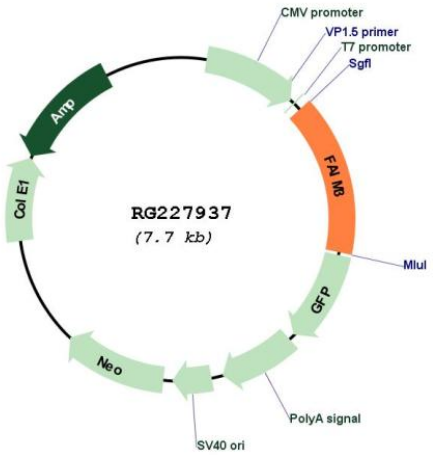
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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
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]