

## Product datasheet for **SC319390**

### FAIM2 (NM\_012306) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FAIM2 (NM\_012306) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** FAIM2  
**Synonyms:** LFG; LFG2; NGP35; NMP35; TMBIM2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_012306.2  
GAGGAAGGAAGAGACGCAGGCAGGCTGCGGTTACCCAAGCGGCCACCCGGCCTCAGGGA  
CCCTTCCCCGAGAGACGCACCATGACCCAGGAAAGCTCTCCGTGGCTAACAAGGCC  
CTGGGACCGAGGGCAGCAGCAGGTGCATGGCGAGAAGAAGGAGGCTCCAGCAGTGCCCT  
CAGCCCCACCCTCTATGAGGAAGCCACCTCTGGGGAGGGATGAAGGCAGGGCCCTTC  
CCCCAGCCCCACAGCGGTGCCTCTCCACCCTAGCTGGGCCTATGTGGACCCAGCAGCA  
GCTCCAGCTATGACAACGGTTTCCCCACCGGAGACCATGAGCTCTTACCACCTTTCAGCT  
GGGATGACCAGAAAGTTCGTGAGTCTTTGTGAGAAAGTCTACACCATCCTGCTGATTC  
AGCTGCTGGTGACCTTGGCTGTCGTGGCTCTTTACTTTCTGTGACCCTGTCAAGGACT  
ATGTCCAGGCCAACCAGGCTGGTACTGGGCATCCTATGCTGTGTTCTTTGCAACCTACC  
TGACCCTGGCTTGTCTTCTGGACCCAGGAGGCATTTCCCTGGAACCTGATTCTCCTGA  
CCGTCTTTACCCTGTCCATGGCCTACCTCACTGGGATGCTGTCCAGCTACTACAACCA  
CCTCCGTGCTGCTGTGCCTGGGCATCACGGCCCTTGTCTGCCTCTCAGTACCCGTCTTCA  
GTTCCAGACCAAGTTCGACTTCACCTCCTGCCAGGGCGTGTCTTTCGTGCTTCTCATGA  
CTCTTTTCTTCAGCGGACTCATCCTGGCCATCCTCCTACCCTTCCAATATGTGCCCTGGC  
TCCATGCAGTTTATGCAGCACTGGGAGCGGGTGTATTTACATTGTTCTGGCACTTGACA  
CCCAGTTGCTGATGGGTAACCGACGCCACTCGCTGAGCCCTGAGGAGTATATTTTGGAG  
CCCTCAACATTTACCTAGACATCATATATCTTACCTTCTTCTGCAGCTTTTTGGCA  
CTAACCGAGAATGAGGAGCCCTCCCTGCCCCACCGTCTCCAGAGAATGCGCCCCCTCTG  
GTTCCCTGTCCCTCCCTGCGCTCTGCGAGACCAGATATAAACTAGCTGCCAAAAAAA  
AA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_012306



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_012306.2</a></u> , <u><a href="#">NP_036438.2</a></u>
<b>RefSeq Size:</b>	4703 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	23017
<b>UniProt ID:</b>	<u><a href="#">Q9BWQ8</a></u>
<b>Cytogenetics:</b>	12q13.12
<b>Domains:</b>	UPF0005
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Antiapoptotic protein which protects cells uniquely from Fas-induced apoptosis. Regulates Fas-mediated apoptosis in neurons by interfering with caspase-8 activation. May play a role in cerebellar development by affecting cerebellar size, internal granular layer (IGL) thickness, and Purkinje cell (PC) development.[UniProtKB/Swiss-Prot Function]