

Product datasheet for **RR204027**

Faim2 (NM_144756) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Faim2 (NM_144756) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Faim2
Synonyms:	Lfg; NMP35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204027 representing NM_144756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAGGGAAAGCTCTCTGTGGCTAACAAGGCCCTGGGACTGAGGGGCAGCAGCAGGCAAATGGAG
AGAAGAAGGATGCCCCAGCAGTGCCTCGGCACCACCCTCCTACGAGGAGGCCACCTCTGGAGAGGGGT
GAAGGCAGGGGCTTCCCCAGGGTCCCACAGCTGTACCACTCCATCCAAGCTGGGCCTATGTGGACCCC
AGCAGCAGCTCTGGCTATGAAGGTGGTTCCCTGCAGGACACCATGAGCTTTTCAGCACCTTCAGCTGGG
ATGACCAGAAAGTTCGTCAGCTTTTCATCAGAAAGGTCTATACCATCCTGTTGGTTCAGCTGCTGGTGAC
CTTGGCTGTGGTGGCTCTTTACCTTCTGTGAGCTCGTTAAGGACTATGTCCAGGCCAACCAGGCTGG
TACTGGGCATCCTATGCCGATTCTTTGCAACATACCTGACTCTGGCTTGTCTGGGCCAGGAGAC
ACTTCCCTTGAACCTGATTCTGCTGACCATCTTTACCCTGTCCATGGCCTACCTCACTGGGATGCTGTC
CAGTTACTACAACACCACGTCTGTCTGCTGTGCCTGGGCATCACAGCTCTTGTCTGCCTCTCAGTCACC
ATCTTCAGTTTCCAGACCAAGTTTGACTTACCTCCTGTACGGTGTGCTATTTGTAAGTCTCATGACTC
TCTTCTCAGTGGACTCCTCCTCGCCATCCTCCTGCCCTTCCAATATGTCCCCTGGCTCCACGCCGCTA
TGCTGTGCTAGGAGCGGGTGTGTTACGTTGTTCTGGCATTGATACCCAGCTGCTGATGGGTAACCGT
CGACACTCGCTGAGTCTGAGGAGTATATTTTGGAGCCCTCAACATCTACCTAGACATTATCTATATCT
TCACCTTCTTCTGCAGCTTTTTGGCACCAACCGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204027 representing NM_144756
Red=Cloning site Green=Tags(s)

MTQGKLSVANKAPGTEGQQANGEKKDAPVPSAPPSYEEATSGEGLKAGAFPQGPTAVPLHPSWAYVDP
 SSSSGYEGGFPAGHHELFSTFSWDDQKVRQLFIRKYYTILLVQLLVTLAVVALFTFCDVVKDYVQANPGW
 YWASYAVFFATYLTACCSPRRRHFVWNLILLTIFTLMAAYLTGMLSSYYNTTSVLLCLGITALVCLSVT
 IFSFQTKFDFTSCHGVLVLLMTLFFSGLLLAILLPFQYVYVWLVHAYAVLGAGVFTLFLAFDTQLLMGNR
 RHSLSPEEYIFGALNIYLDIIYIFTFLLQLFGTNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2670_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144756

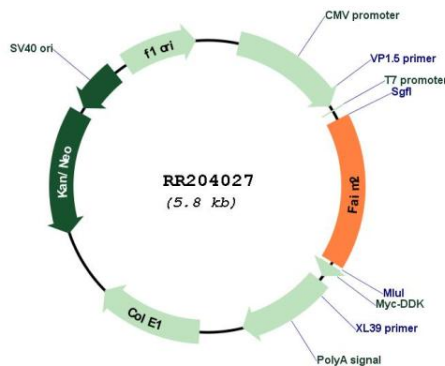
ORF Size: 948 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_144756.2](#), [NP_653357.1](#)
- RefSeq Size:** 1530 bp
- RefSeq ORF:** 951 bp
- Locus ID:** 246274
- UniProt ID:** [O88407](#)
- Cytogenetics:** 7q36
- MW:** 35.5 kDa
- Gene Summary:** may mediate development and maintenance of the nervous system [RGD, Feb 2006]

Product images:



Circular map for RR204027