

Product datasheet for MC226426

Nfam1 (NM_001271412) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfam1 (NM_001271412) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfam1
Synonyms:	4921501M20Rik; Cnaip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226426 representing NM_001271412 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCTGCACCCACCCAGCTGGCTCCCAGCCTGGTGCTTCCTCTGTTTGCTGCCGGTGCCCCAGACCCTG
CAGCTAACAGCTGCAGAATCGAGGACTTCACAAGACTTCAAAGAGATTTGCCTGTAAAGTTGTTTCATAC
GGATATCCATGGCCGGAGACGCTGGGAGAAGCAGATTAAGTCCAACACAGACCTGGCATGGAGAACCAT
ACCAGGGATTGCATGGTTAACTCAGCCAGGCAAAACACATCAGCCACAGGCATTTACTACTTCATAGTCG
AAGGAGAGGAAACATATCAGAGCGATGGCGTTGTCATTCTGGTCAGAGACACAGTGTACCAGCCACCTGC
ATTCAAGGTCCAGGAGGCTCTGATGCTTGCTTTACCAGCCTGATGAGCGTCCTGGGTGTGCTGGGCACA
GCGCTACTGCTTTGGAAGAAGAAACAGATATCAGTTCTGGGCAAGCACACTGCTAAGACTTGTCTGGTC
TCAAATCCACCGTCGGAACCACAAAGCCTCCAGCAGAATCTGTCTACACGTCCCTACAGCGTCGAGAGAC
GGAGGTCTACGCTGTATGAAGGAAGAGACTGGAAGCCCTGTCTTCAGCCAAAGCCAGCCACCAAGGAG
AAGCTGAATAGATTTGAGGATGACAACGAATTTAACCTTGCTATGAAAACTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001271412
Insert Size:	687 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001271412.1, NP_001258341.1</u>
RefSeq Size:	3892 bp
RefSeq ORF:	687 bp
Locus ID:	74039
UniProt ID:	<u>Q8R4V1</u>
Cytogenetics:	15 E1
Gene Summary:	May function in immune system as a receptor which activates via the calcineurin/NFAT-signaling pathway the downstream cytokine gene promoters. Activates the transcription of IL-13 and TNF-alpha promoters (By similarity). May be involved in the regulation of B-cell, but not T-cell, development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, uses an alternate splice site in the coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.