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Product datasheet for MC226338

Nfam1 (NM_001271414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfam1 (NM_001271414) 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:	>MC226338 representing NM_001271414 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGTCCCTGGCAAACACCGATGTGTTCTTCAGCTGCAGAATCGAGGACTTCACAAGACTTCAAAGAG ATTTGCCTGTTAAGTTGTTTCATACGGATATCCATGGCCGGAGACGCTGGGAGAAGCAGATTAACTGCCA ACACAGACCTGGCATGGAGAACCATACCAGGGATTGCATGGTTAAACTCAGCCAGGCAAACACATCAGCC ACAGGCATTTACTACTTCATAGTCGAAGGAGAGGAAACATATCAGAGCGATGGCGTTGTCATTCTGGTCA GAGACACAGTGTACCAGCCACCTGCATTCAAGGTCCAGGAGGCTCTGATGCTTGGCTTTACCAGCCTGAT GAGCGTCCTGGGTGTGCTGGGCACAGCGCTACTGCTTTGGAAGAAGAAACAGATATCAGTTCTGGGCAAG CACACTGCTAAGACTTGTTCTGGTCTCAAATCCACCGTCGGAACCACAAAGCCTCCAGCAGAATCTGTCT ACACGTCCCTACAGCGTCGAGAGACGGAGGTCTACGCCTGTATGAAGGAAGAGACTGGAAGCCCTGTCTT CAGCCAAAGCCCAGCCACCAAGGAGAAGCTGAATAGATTTGAGGATGACAACGAATTTAACCTTGTCTAT GAAAATCTCTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001271414
Insert Size:	642 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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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.
RefSeq:	NM_001271414.1, NP_001258343.1
RefSeq Size:	3889 bp
RefSeq ORF:	642 bp
Locus ID:	74039
UniProt ID:	Q8R4V1
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 (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a. Variants 3 and 4 encode the same isoform (c).

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