

Product datasheet for MC226671

Nfam1 (NM_001271411) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfam1 (NM_001271411) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nfam1
Synonyms: 4921501M20Rik; Cnaip
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226671 representing NM_001271411
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAGCTGGCTTCTGCGACGTGGGGCCGAGTGCGATGCCTGCACCCACCCAGCTGGCTCCCAGCCT
 GGTGCTTCCTCTGTTTGTGCGCCGGTGCCCGAGACCCTGCAGCTAACAGGATTGGTATCATTGACCCATAC
 CAGCCTTCTATCATGGTGTCCCTGGCAAACACCGATGTGTTCTTCAGCTGCAGAATCGAGGACTTCACA
 AGACTTCAAAGAGATTTGCCTGTAAAGTTGTTTCATACGGATATCCATGGCCGGAGACGCTGGGAGAAGC
 AGATTAACGCCAACACAGACCTGGCATGGAGAACCATACCAGGGATTGCATGGTTAAACTCAGCCAGGC
 AAACACATCAGCCACAGGCATTTACTACTTCATAGTCGAAGGAGAGGAAACATATCAGAGCGATGGCGTT
 GTCATTCTGGTCAGAGACACAGTGTACCAGCCACCTGCATTCAAGGTCCAGGAGGCTCTGATGCTTGGCT
 TTACCAGCCTGATGAGCGTCTGGGTGTGCTGGGCACAGCGCTACTGCTTTGGAAGAAGAAACAGATATC
 AGTTCTGGGCAAGCACACTGCTAAGACTTGTTCTGGTCTCAAATCCACCGTCGGAACCACAAAGCCTCCA
 GCAGAATCTGTCTACACGTCCCTACAGCGTCGAGAGACGGAGGTCTACGCCTGTATGAAGGAAGAGACTG
 GAAGCCCTGTCTCAGCCAAAGCCAGCCACCAAGGAGAAGCTGAATAGATTTGAGGATGACAACGAATT
 TAACCTTGCTATGAAAATCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271411
Insert Size: 795 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: | <ol style="list-style-type: none">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: | <u>NM_001271411.1, NP_001258340.1</u> |
| RefSeq Size: | 3962 bp |
| RefSeq ORF: | 795 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 (1) represents the longest transcript and encodes the longest isoform (a). |