

Product datasheet for **RC207824**

NFAM1 (NM_145912) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFAM1 (NM_145912) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NFAM1
Synonyms:	CNAIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207824 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAACCAGCCTGTGAGGTGGCGGGCCCTGCCAGGCCTCCCAGCCCTCCTGGGCTCCCCGAGCCC
CCTGGCTCCTCCTGGCGTGCTGCTGCTGCCCGGGACCTGCGACTGGCAGGAGGACAGTCAGTGACCCA
CACCGGCTGCCATCATGGCCTCCCTGGCCAACACAGCTATCTCCTTCAGCTGCAGGATCACCTATCCA
TACTACTCCCAATTCAAGGTTTTACAGTCAGCTACTTTTCATGAAGATCTCCAGGGACAGAGGAGCCCTA
AGAAGCCAACAACTGCCACCCTGGACTGGGCACAGAGAACCAGAGCCACACCCTGGACTGCCAGGTCAC
CCTTGTGCTGCCGGGAGCATCGGCCACTGGCACCTACTACTGCTCTGTCCACTGGCCACACTCCACGGTG
AGAGGCAGCGGCACCTTCATCCTGGTCAGAGACGCAGGGTACCGAGAGCCCCGAGAGTCCACAGAAGC
TCCTGCTCTTTGGCTTACCAGGCTCCTGAGTGTCTGAGTGTAGTGGGCACGGCCCTGTGCTCTGGAA
CAAGAAGCGGATGCGGGTCCAGGGAAGGACCCACCAGGAAGTGCCAGATCCAAGATCTGCCAGCAGC
CCAAGCAGCATCCTTCAGAATCTGTCTACACAGCTCTGCAGCGCCGCGAGACCGAGGTCTATGCCTGCA
TCGAGAATGAGGATGGCAGCTCACCCACCGCAAGCAGAGCCCCCTCTCCAGGAGAGACCGCATAGATT
CGAAGATGATGGCGAACTTAACCTGGTCTATGAAAATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207824 protein sequence
 Red=Cloning site Green=Tags(s)

MENQPVRWRALPGLPRPPGLPAAPWLLLGVLLPGTLRLAGGQSVTHTGLPIMASLANTAISFSCRITYP
 YTPQFKVFTVSYFHEDLQQRSPKKPTNCHPGLGTENQSHTLDCQVTLVLPGASATGTYYCSVHWPSTV
 RSGSTFILVRDAGYREPPQSPQKLLLFGFTGLLSVLSVGTALLLWNKKRMRGPGKDPTRKCPDPRSASS
 PKQHPSESYYTALQRRETEVYACIENEDGSSPTAKQSPLSQERPHRFEDDGELNLVYENL

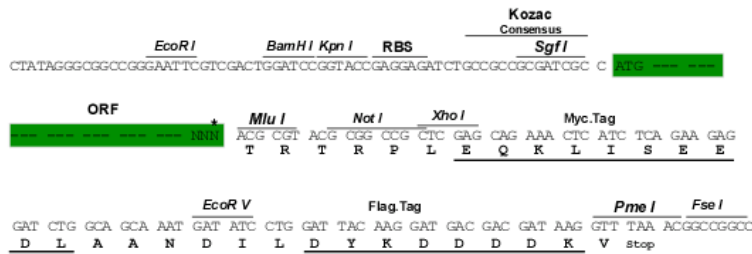
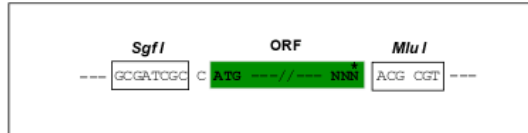
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6087_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145912

ORF Size: 810 bp

OTI Disclaimer: 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_145912.8](#)

RefSeq Size: 5605 bp

RefSeq ORF: 813 bp

Locus ID: 150372

UniProt ID: [Q8NET5](#)

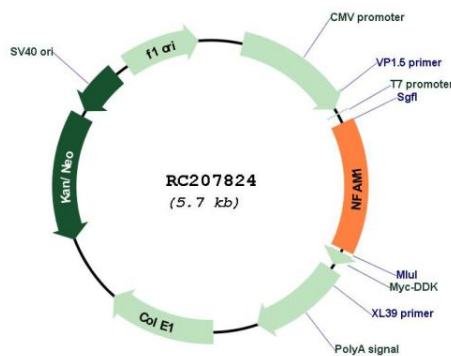
Cytogenetics: 22q13.2

Protein Families: Transcription Factors, Transmembrane

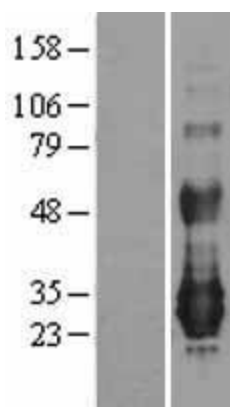
MW: 29.7 kDa

Gene Summary: The protein encoded by this gene is a type I membrane receptor that activates cytokine gene promoters such as the IL-13 and TNF-alpha promoters. The encoded protein contains an immunoreceptor tyrosine-based activation motif (ITAM) and is thought to regulate the signaling and development of B-cells. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC207824



Western blot validation of overexpression lysate (Cat# [LY403444]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207824 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).