

Product datasheet for **MR226084**

Nfatc1 (NM_001164111) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfatc1 (NM_001164111) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfatc1
Synonyms:	2210017P03Rik; AI449492; AV076380; NF-ATc; NFAT2; NFATc; Nfatcb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR226084 representing NM_001164111
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGGGCTGGAGCAGGACCCGGAGTTCGACTTCGATTTCTCTTCGAGTTCGATCAGAGCGGGGGG
GCGCCGCGGCCGAGAACAACACTACAGTTATGTGTCCCCTAGTGTCACTCGACCCTGCCCTTCCCACAGC
ACACTCTGCCTTGCCAGCAGCATGCCACGACCTCCAGACGTCCACCCCGGGTATCTCAGCTGTTCTTCA
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ACACCAGACCCAAACGGGGCCCGACTCTGGAGAGTCCGAGAATCGAGATCACCTCTACCTGGGCTACA
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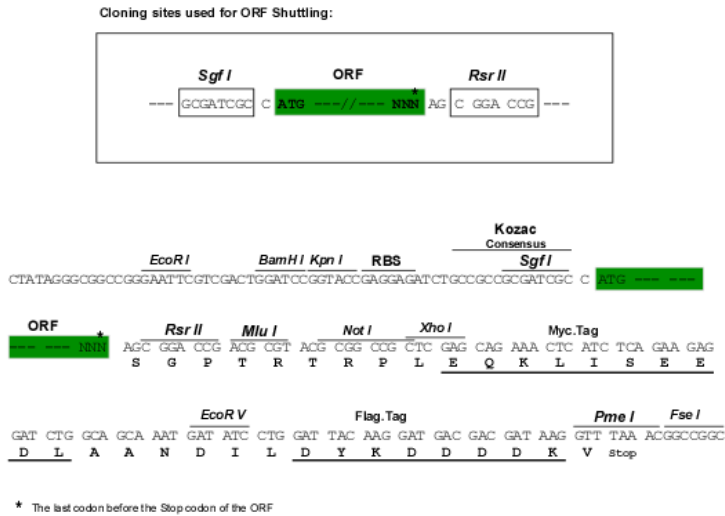
Protein Sequence: >MR226084 representing NM_001164111
Red=Cloning site Green=Tags(s)

MTGLEQDPEFDFFLFEFDQSGGGAAAAEHYSYVSPSVTSTLPLPTAHSALPAACHDLQTSTPGISAVPS
ANHPPSYGGAVDSGPGSYFLSSGNTRPNGAPTLESPRIEITSYLGLHHGSGQFFHDVEVEDVLPSCKRSP
STATLHLPSEAYRDPSCLSPASSLSSRSCNSEASSYESNYSYPYASPQTSWPQSPCVSPKTTDPEEGFP
RSLGACHLLGSPRHSPSTSPRASITEESWL GARGSRPTSPCNKRKYSLNGRQPSCSPHHSPTSPHGS
VSVTEDTWLGNTTQYTSSAIVAAINALTTDSTLDLGDGVPIKSRKTALEHAPSVALKVEPAGEDLGTTP
TSDFPPEEYTFQHLRKGAFCEQYLSVPQASYQWAKPKSLSPSYMSPSLPALDWQLPSHSGPYELRIEVQ
PKSHHRAHYETEGSRGAVKASAGGHPIVQLHGYLENEPLTLQLFIGTADDRLLRPHAFYQVHRITGKTVS
TTSHEIILSNTKVLEIPLL PENNMRAIIDCAGILKLRNSDIELRKGETDIGRKNTRVRLVFRVHIPQPNG
RTL SLQVASNP IECQSAQELPLVEKQSTDSYPVIGGKMMVLSGHNFLQDSKVI FVEKAPDGHVWEME
AKTDRDLCKPNSLVVEIPFRNQRITSPVQVSFYVCNGKRKRSQYQRF TYLPANVPIIKTEPTDDFEPAL
TCGPM SQGISPLPRPYYSQQLTMPPDPGSCLVAGFAPCSQRNTLMPTPPNASPKLHDLSSPAYTKGLTNP
GHSGHLGLQPPASEAPTMQEVPRPMAIQPNSEQPPSARLQPQ

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001164111

ORF Size: 2439 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_001164111.1](#), [NP_001157583.1](#)

RefSeq Size: 4315 bp

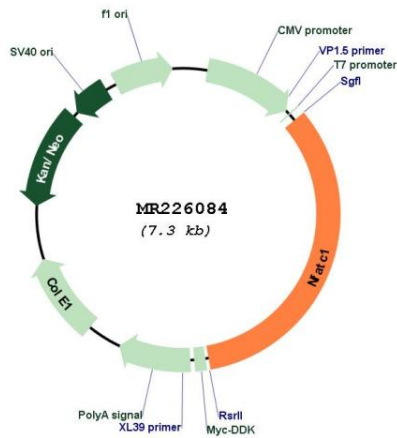
RefSeq ORF: 2442 bp

Locus ID: 18018

Cytogenetics: 18 53.66 cM

MW: 88.8 kDa

Product images:



Circular map for MR226084