

Product datasheet for **MR226082**

Nfatc1 (NM_001164109) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfatc1 (NM_001164109) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR226082 representing NM_001164109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAAGTACCAGCTTTCAGTCCCTTCCAAGTTTCCAATCGGCCCTCCGGCCGAGTCTCGGGAGCG
 GAGAACTTTGCGGCCCGCGCCGCCCTCCGGCGCACCATGAAGCGGCCGAGGAAGAACAACACTACAGTTA
 TGTGTCCCTAGTGTACCTCGACCCTGCCCTTCCCACAGCACACTCTGCCTTGCCAGCAGCATGCCAC
 GACCTCCAGACGTCCACCCCGGGTATCTCAGCTGTTCTTTCAGCCAATCATCCCCCAGTTACGGAGGGG
 CTGTGGACAGCGGCCCTTCGGGATACTTCTGTCTCTGGCAACACCAGACCCAACGGGGCCCCGACTCT
 GGAGAGTCCGAGAATCGAGATCACCTCTACCTGGGCTACACCATGGCAGCGGCCAGTTTTTCCACGAC
 GTGGAGGTGGAAGACGTACTTCTAGTGAAGCGCTCACCGTCTACAGCAACCTGCACCTGCCAGCC
 TGGAAGCTACAGAGACCCCTCCTGCCTGAGCCAGCCAGCAGTCTCTCTCCAGAAGCTGTAACCTGA
 GGCCTCCTCTACGAGTCCAACACTCTCTACCCATACGGTCCCCCAGACCTCTCCGTGGCAGTCAACC
 TGCGTGTCTCCAAGACCACGGACCCGGAGGAGGGTTTTCCCGAAGCCTGGGTGCCTGCCACCTGCTAG
 GATCGCCAGGCACTCCCATCCACCTCTCTCGGGCAAGCATACGGAGGAGAGCTGGTCTGGTGGCCCG
 CGGCTCCCGGCCACGTCCCCCTGCAACAAGCGCAAGTACAGTCTCAATGGCCGGCAGCCCTCCTGCTCA
 CCCCACACTCACCCACCATCCCCCATGGCTCCCCCTCGGGTCAAGTGTGACCGAAGATACCTGGTCTG
 GTAACACCACCCAGTATACCAGTCTGCCATTGTGGCAGCCATCAACGCCTGACCACCGATAGCACTCT
 GGACCTGGGTGATGGGGTCCCTATCAAGTCTCGAAAGACAGCACTGGAGCATGCGCCCTCTGTGGCCCTC
 AAAGTAGAGCCAGCTGGGAAGACCTGGGCACCACTCCACCACTTCTGACTTCCACCCGAGGAGTACA
 CCTTCCAGCACCTTCGGAAGGGTGCCTTTTTCGAGCAGTATCTGTCCGTGCCACAGGCCCTCGTATCAGT
 GGCGAAGCCCAAGTCTCTTTCCCGACATCATATAGAGCCATCCTTGCTGCCCTTGACTGGCAGCTC
 CCGTACATTCTGGTCCATACGAGCTTCGGATCGAGGTGCAGCCCAAGTCTACCCACAGGGCTCACTATG
 AGACGGAAGGCAGCCGGGGGCTGTGAAGGCTTCAAGTGGAGGACACCCATTGTGCAGTACACGGTTA
 CTTGGAGAATGAACCTCTCACGCTACAGCTGTTTATTGGGACGGCTGACGACCGCTGCTGAGGCCCCAC
 GCCTTCTACCAGGTCCACCGGATCACGGGAAGACTGTCTCCACCACAGCCACGAGATCATCTGTCCA
 ACACCAAAGTCTGGAGATCCCGTTGCTTCCAGAAAATAACATGCGAGCCATCATCGACTGTGCTGGGAT
 CCTGAAGCTCAGAACTCTGATATTGAGCTGAGGAAAGGGGAGACAGACATCGGGAGGAAGAACCAGG
 GTGAGGCTGGTCTTCGAGTTACATCCACAGCCCAATGGCCGGACGCTGTCTCTCAGGTGGCCTCGA
 ACCCTATCGAGTGTCCAGCGGTGAGCCAGGAGTGGCCCTCGTGGAGAAGCAGAGCAGACAGACTA
 CCCAGTATCGCGGGAAGAAGATGGTGTCTGTGGCCATAAATTTCTGCAAGACTCAAAGTCAATTTTC
 GTGGAGAAGGCTCCAGATGGCCACCACGTCTGGGAGATGGAAGCAAAGACTGACCGGGACCTGTGCAAGC
 CAAATTCCTGGTGGTTGAGTACCACCTTTCCGCAACCAGAGGATAACCAGCCCCGTCCAAGTCAATTT
 CTATGTCTGCAACGGGAACGGAAGAGAAGCCAGTACCAGCGTTTACGTACCTTCTGCCAATGGTAAC
 TCTGTCTTCTAACCTTAAGCTCTGAGAGTGAGCTGAGAGGAGGTTTTTAC

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

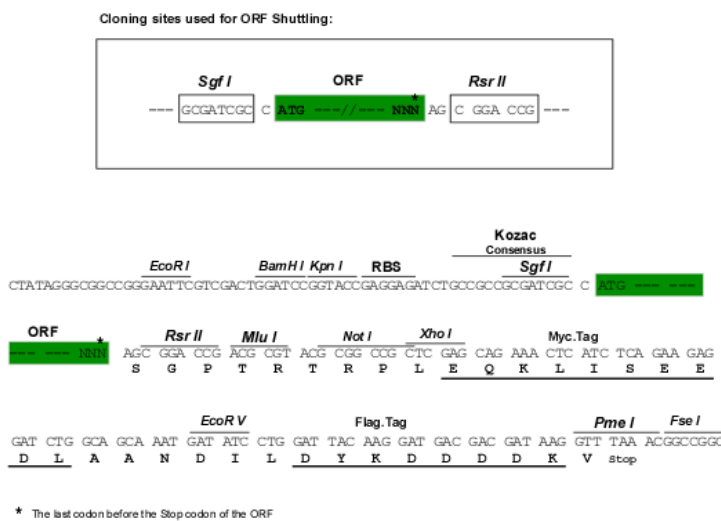
Protein Sequence: >MR226082 representing NM_001164109
Red=Cloning site Green=Tags(s)

MPSTSFVPVPSKFPLGPPAAVCGSGETLRPAPPSGGTMKAAEEEHYSYVSPSVTSTLPLPTAHSALPAACH
 DLQSTPGISAVPSANHPPSYGGAVDSGSPGYFLSSGNTRPNGAPTLESPRIEITSYLGLHHGSGQFFHD
 VEVEDVLPSCKRSPSTATLHLPSLEAYRDPSCLSPASSLSSRSCNSEASSYESNYSYPYASPQTSWQSP
 CVSPKTTDPEEGFPRSLGACHLLGSPRHSPSTSPRASITTEESWLGARGSRPTSPCNKRKYSLNGRQPSCS
 PHHSPTSPHGSFPRVSVTEDTWLGNTTQYTSSAIVAAINALTTDSTLDLDGVPKSRKTALEHAPSVAL
 KVEPAGEDLGTTPTSDFPPEEYTFQHLRKGAFCEQYLSVPQASYQWAKPKLSPTSYSMSPSLPALDWQL
 PSHSGPYELRIEVQPKSHHRAHYETEGSRGAVKASAGGHPIVQLHGYLENEPLTLQLFIGTADDRLLRPH
 AFYQVHRITGKTVSTTSHEIILSNTKVIPLPENNMRAIIDCAGILKLRNSDIELRKGETIDGRKNTR
 VRLVFRVHIPQPNGRTLSQLVANSPIECQSQAQELPLVEKQSTDSYPVIGGKMMVLSGHNFLQDSKVI
 VEKAPDGHVWEMEAKTRDLCKPNSLVVEIPFRNRITSPVQVSFYVCNGKRKRKRSQYQRFTYLPANGN
 SVFLTLSESELRGGFY

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001164109

ORF Size: 2151 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_001164109.1](#), [NP_001157581.1](#)

RefSeq Size: 4803 bp

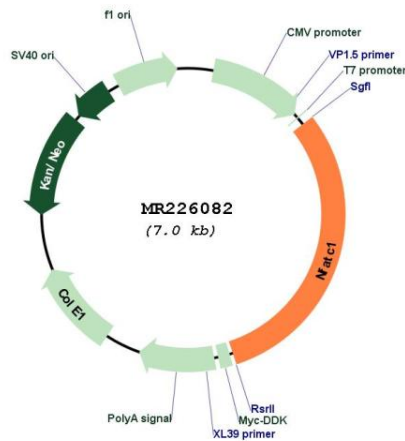
RefSeq ORF: 2154 bp

Locus ID: 18018

Cytogenetics: 18 53.66 cM

MW: 78.3 kDa

Product images:



Circular map for MR226082