

Product datasheet for **RR208026**

Nfatc3 (NM_001108447) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nfatc3 (NM_001108447) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Nfatc3
 Synonyms: NFAT4
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR208026 representing NM_001108447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTACTGCAAACGTGGCGCCACGACGAGCTCGACTTTAACTCGTCTTCGGCGAGGACGGGGCAC
 CAACGCCGGTGTCCAGGTCTCGCGCCCTGCAGATCTTGAACCAGATGATTGTGCATCCATTTACATCTT
 TAATGTAGACCCGCTCCATCTACTTTAAATTCATCATTGGCTTACCACATCATGGACTGCTGCAGTCT
 CACTCTTCTGTTTTGTCACCATCATTTAGCTCCAAGTTTTCAAAAATTATGAAGGAACTGATGATTTT
 CTGAATCTAAATATAGCTCATTAAAGTGGTCTAAACCCCTTGAATGCCCAAGTATTCAAATTACATCCAT
 CTCTCCTAACTGTCATCAAGAAACAGATGCTCATGAAGATGACCTACATGTAATGACCCAGAAAGGGAA
 TATTTGGAAAGGCCTTCTAGAGATCATCTATCTCCACTTGAACCGTCTACCGGAACTTCCCTTA
 GTCCTAGTCTGCCAGCAGCGTTTCTTAGGAGTTGGTTCTCAGATGCATCTTCTGTGAGTCTCTCTC
 ACACATTTATGACGATGTGGACTCAGAGTTGAATGAAGCTGCTGCACGATTTACTCTTGGCTCACCTCTG
 ACTTCTCCAGGTGGCTCTCCAGGAGTTGCCCTGGAGAAGAGTCTGGCATCAACAGTATGGACCTGGAC
 ATTCTTGTACCTAGGCAATCTCTTGGCACTCTCTAGATCCAGTATCACTGATGAGAATTGGCTGAG
 CCCCAGACCAGCTCAGGACCTCATCCAGGCCACTTCTCTTGTGGTAAACGACGGCACTCCAGTGCT
 GAAGTATGTTATGCTGGCTCTCTTACCCCATCACTCACCTGTTCCGTCCTGGTCACTCGCCTAGAG
 GGAGTGAACGAAGATACCTGGCTCACTGCTCTGTCCACACTGGATCAGGCCTCAGCCCTGCACCGTT
 TCCATTTAGTACTGTGTAGAGACTGACATCCCTTTGAAAACAAGGAAGACTTCTGACGATCAAGCTGCC
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 TTAGACTGGCCTTACCAACTCACTTTGGACAATGTGAATTGAAAATAGAAGTGAACCTAAAACCTACC
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 GAAGCTCCTGGCTATAGTAAAAGCCAATAAATCTACAGATGTTTATTGGAACGCCGATGATAGATAT
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TAATAATCGCCAGCACAAAAGTTCTGGAAATCCCCTTCTACCTGAAAATAATATGTCAGCAAGTATCGA
 CTGTGCAGGTATTTTGAACCTCCGCAATTCAGATATAGAAGCTTCGAAAAGGAGAACTGATATTGGCAGA
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 CACCAACATCTCCTATGGGGTCTCCTATCAGTCTATACAACTAATATGTATAATGGTCCAACCTGTCT
 TCCTATGAATCCTGCCTCTAGTCAAGAATTTGATCCAGTTTTGTTTCAGCAGGATGCAGCTTTTCTAAT
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 AGGAACTGCCTCATCACCATCTCCAGTTACCAGAATGCATTCTGGACAGCACTCAACTCAAGCACAAAGT
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 CACCTGGTGGTGCAGCTGTGAGCATTAACTGAACCTGAAGTCAAGAACCCTAACTTTGCAACCAATTGG
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 GAGAAATGGCCTAATCACAGTGAGTTCTCATGTCCAGTTCTTTCTGGCGAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208026 representing NM_001108447
 Red=Cloning site Green=Tags(s)

MTTANCGAHDELDFKLVFGEDGAPTPVSVSRPADLEPDDCASIIYIFNVDPSTLNSSLGLPHHLLQS
 HSSVLSPSFQLQGFKNYEGTDDISESKYSSLSGPKPFECPSIQITSI SPNCHQETDAHEDDLHVNDPERE
 YLERPSRDHL YLPLEPSYRESSLSPSPASSVSRSWFSDASSCESLSHIYDDVDELNEAAARFTLGSPL
 TSPGGSPGGCPGEESWHQYQYGPGLSLSRQSPCHSPRSSITDENWLSRPRASGSSRPTSPCGKRRHSSA
 EVCYAGSLSPHSPVSPGHSPRGSVTEDTWLTAPVHTGSGLSAPAPFFQYCVETDIPLKTRKTSDDQAA
 ILPGKLEVCSDDQGSLSPSRETSVDDGLGSQYPLKKDSSGDQFLSVPSPFTWSKPKPGHTPIFRTSSLPP
 LDWPLPTHFGQCELKIEVQPKTHHRAHYETEGSRGAVKASTGGHPVVKLLGYSEKPINLQMFIGTADDRY
 LRPFAFYQVHRITGKT VATASQEI I IASTKVLEIPLLPENNMSASIDCAGILKLRNSDIELRKGETDIGR
 KNTRVRLVFRVHIPQPSGKVL SLQIASIPVECSQRSAQELPHIEKYSINSCSVNGGHEMIVTGSNFLPES
 KIIFLEKQDGRPHWEAEGKIIREKQCQGGHIVLEVPYHNPVTSAVQVHFYLCNGKRKKSQSQRFTYTP
 VLMKQEQREDTDLSSVPSLPVPHSAQTQRPSSDTGHPHDSALSAPRSLICPVQPAYASMITSTHLPQLQC
 RDEGAGKEQHIIPSSVMHQFPQVTPTSPMGSSYSIQTNMYNGPTCLPMNPASSQEFDPVLFQQDAALSN
 LVNLGCQPLSPIPFHSSNDATGHLLAHSPhSVQTPPHLQSMGYHCSSAGQRSLSSPVAAQVTGQPSHL
 QPITYCPSHPGSATAASPAASHALSSSPI SGPPSPQLQSMYPYQSPSSGTASSPSPVTRMHSQGHSTQAQS
 TGQGLSVPSSLVCHSLCDPASFPFGAAVSIKPEPEDQEPNFATIGLQDITLDDQFMSDLHQPSGST
 EKWPNHSEFSCPVPFWRI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

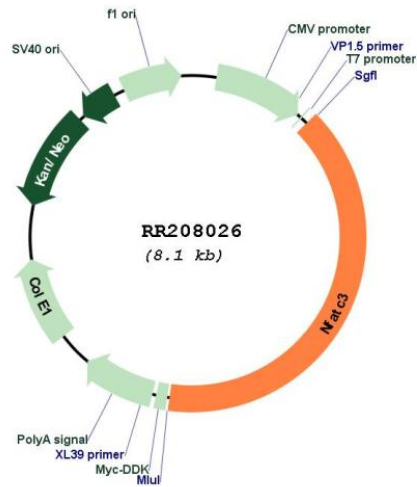
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108447

ORF Size: 3204 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:	<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_001108447.1, NP_001101917.1</u>
RefSeq Size:	5953 bp
RefSeq ORF:	3207 bp
Locus ID:	361400
Cytogenetics:	19q12
MW:	115.3 kDa