

Product datasheet for **RN215403**

Nfatc2 (NM_001107805) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfatc2 (NM_001107805) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nfatc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215403 representing NM_001107805
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGCCCCGGAGCCGAGTCCGACCCCGACGGCGGGGACGGCCCCGGCCACGAGCCCGGGGACGTT
 CCCAAGACGAGCTGGACTTTTCCATCCTCTTCGATTATGACTATCTGAACCTATCGAAGAAGAACCGAT
 CGCACATAAGGCCATCAGCTCACCTCCGGACTCGCATACCCGGATGATGTCCTGGACTATGGCCTCAAG
 CCATGCAACCCTCTCGCCAGTCTCTCTGGCGAGCCCCCTGGCCGGTTCGGAGAGTCGGATAGTATAGGGT
 TCCAGAACTTTCTGAGCCCGCCAAGCCAGCAGGGGCTTCGGGCCGAGCCCTCGGATCGAGATCACTCC
 ATCCCACGAACTGATGCAGGCAGGGGGGCCCTCCGTGGGAGAGATGCCGGCCTGTCCCCGAGCAGCCG
 GCCCTGGCTCTGGCCGGCATGGCCGCCAGCCGAGGTTACACTGCCCGTGCCGGCTTCGAGGGCTACC
 GCGAGCCGCTTTGCTTGAGCCCCGCTAGCAGCGGCTCCTCTGCCAGTTCATTTCTGACACCTTCTCCCC
 CTACACCTCGCCCTGCGTCTCACCAATAACGCCGGGCCGACGACCTGTGTCCCGAGTTTCAAACATC
 CCTGCTCATTATCCCCCAGAACCTCTCCAATAATGTCACCTCGAACCAGCCTCGCCGAGGACAGCTGCC
 TGGGCCGACACTCGCCCGTGCCCGTCCGGCATCCCGCTCCTCCTCACCCGGTGCCAAGCGGAGGCATTC
 GTGCGCAGAGGCCTTGTTGCCCTCTGCCCGCAGCCTCACCCAGCGCTCCCGGAGCCCTCGCCACAG
 CCCTCGCTCAGTGGCACCCACAGGACGACGGCATCCCGCTGGGTACCCCCACGGCCGGCTCTGCTG
 TTCTCATGGATGCCCTCAACAGCCTGGCCACCGACTCGCCCTGCGGGATCCCCTAAGATATGGAAGAC
 CAGTCTGATCCAACCTCCCGTGTCCACTGCTCCATCCAAGGCAGGCCTGGCCGCCACATCTACCTGT
 GTGGAGTTCCTGGGGCCGTGTGAGCAGGAGGAGAGGAAATTCGCTCCAGAGTCCATCCTGTGGTAC
 CACCCACTGGCCCAAGCAATTGGTCCCGCCATTCCCATCTGCAGCATCCCCGTGATGCATCCCTCCC
 ACCACTAGAGTGGCCACTCTCCAACAGTCGGGCTCCTATGAGCTTCGATTGAGGTCCAGCCCAAGCCC
 CATCACCGAGCCCACTATGAGACAGAGGCGAGCCTGGCGCTGTCAAAGCCCCAACAGGAGGACACCCTG
 TGGTGCAGCTCCACGGCTACATGGAGAACAAGCCTCTGGGGTTCAGATCTTCATCGGGACGGCTGATGA
 ACGGATCCTTAAGCCACACGCTTCTACCAAGTACACAGGATCACTGGGAAAACAGTGACAACCACTAGC
 TATGAGAAGATTGTGGGCAACACCAAGTCTGGAGATCCCCCTGGAGCCAAAGAACAACATGCGGGCCA
 CCATCGACTGCGCAGGCATCCTGAAGCTCCGAAACGCTGACATCGAGCTGCGGAAGGTTGAGACAGACAT
 AGGCAGAAAGAACACGCGTGTGCGCCTGTGTTCCGTGTGCACATCCCGGAGCCAGTGGACGCATCGTC
 TCCTGCAGGCTGCATCCAACCCATCGAGTGTCTCAGCGCTCTGCCACGAGCTGCCATGGTGGAGA
 GACAAGACATGGACAGCTGCCTGGTCTACGGCGCCAGCAGATGATCCTCACGGGCCAGAACTTCACAGC
 TGAGTCCAAGGTTGTGTTTCATGGAGAAGACTACAGATGGGCAGCAGATTTGGGAGATGGAAGCTACAGT
 GATAAAGACAAGAGCCAGCCTAACATGCTTTTTGTTGAGATCCCCGAGTATCGGAACAAGCACATCCGGG
 TGCCCGTGAAGTGAACCTTACGTCATCAACGGAAAGAGAAAACGAAGTCAAGCCACAGCACTTTACTTA
 CCACCCAGTCCCCGCCATCAAGACAGAGCCAGCGATGAGTATGAACCGTCTTTGATCTGCAGCCCCGCC
 CACGGAGGCCTGGGGAGCCAGCCATATTACCCACAGCACCAATGCTGGCCGAGTCCCCCTCCTGTCTTG
 TGGCCACATGGCCCCTTGCCAACAGTCCGCTCAGGGCTCTCATCCCCTGATGCTCGTACCAGCAGCA
 GAGCCCCGACGCCCTCTACCAGAGGAGCAAGAGCCTGAGTCCAGGCCTGCTGGGCTACCAGCAGCCG
 TCCCTTTGGCAGCACCTTGGGTCTGGCTGATGCCACCGTTCGTGCTGGTGCATGCTGGTTCGAGG
 GGCAGGGGCAGGGCAGGGCTCCACCTTCCACACACCTCCTCGGCCAGCCAGCAGGCCTCACCCGTGAT
 CCACTACTCACCCACCAACCAGCAGTTCGTGGTGGGGTCAACCAGGAGTTCAGCATATCATGACTGT
 GAGAATTCGGCCCCAGCTCTGTGAGCCTGGCCTGCCTCCCGTCAACCAAGGTGAGAGGCTGAGCCAG
 GGTCTACCCACGGTCACTCAACAACAGACTGCCCGAGCCAAAGAGCTGCCAAAACGGACCCCGGT
 CAGTGACCAGAAGGAAGCCCTGCCAGTGGAGTACAGTCAAACAGGAGCAGAACCTGGACCAGACTTAC
 CTGGATGACGTTAATGAAATCATCAGGAAGGAGTTTTCGGGACCTCCCTCCCGAAATCAGACCTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001107805

Insert Size:	2796 bp
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).
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_001107805.1</u> , <u>NP_001101275.1</u>
RefSeq Size:	3701 bp
RefSeq ORF:	2796 bp
Locus ID:	311658
Cytogenetics:	3q42