

## 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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215403 representing NM\_001107805  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGCCCCGGAGCCGAGTCCGACCCCGACGGCGGGGACGGCCCCGGCCACGAGCCGGGGCAGTT  
 CCCAAGACGAGCTGGACTTTCCATCCTCTTCGATTATGACTATCTGAACCTATCGAAGAAGAACCGAT  
 CGCACATAAGGCCATCAGCTCACCTCCGGACTCGCATACCCGGATGATGTCCTGGACTATGGCCTCAAG  
 CCATGCAACCCTCTCGCCAGTCTCTCTGGCGAGCCCCCTGGCCGGTTCGGAGAGTCGGATAGTATAGGGT  
 TCCAGAACTTTCTGAGCCCGCCAAGCCAGCAGGGGCTTCGGGCCGAGCCCTCGGATCGAGATCACTCC  
 ATCCCACGAACTGATGCAGGCAGGGGGGCCCTCCGTGGGAGAGATGCCGGCCTGTCCCCGAGCAGCCG  
 GCCCTGGCTCTGGCCGGCATGGCCGCCAGCCGAGGTTACACTGCCCGTGCCGGCTTCGAGGGCTACC  
 GCGAGCCGCTTTGCTTGAGCCCCGCTAGCAGCGGCTCCTCTGCCAGTTCATTTCTGACACCTTCTCCCC  
 CTACACCTCGCCCTGCGTCTCACCAATAACGCCGGGCCGACGACCTGTGTCCCAGTTTCAAACATC  
 CCTGCTCATTATCCCCCAGAACCTCTCCAATAATGTCACCTCGAACCAGCCTCGCCGAGGACAGCTGCC  
 TGGGCCGACACTCGCCCGTGCCCGTCCGGCATCCCGCTCCTCCTCACCCGGTGCCAAGCGGAGGCATTC  
 GTGCGCAGAGGCCCTTGTTGCCCTCTGCCCGCAGCCTCACCCAGCGCTCCCGGAGCCCTCGCCACAG  
 CCCTCGCCTCAGTGGCACCCAGGACGACGGCATCCCGCTGGGTACCCCCCAGGCCGGCTCTGCTG  
 TTCTCATGGATGCCCTCAACAGCCTGGCCACCGACTCGCCCTGCGGGATCCCCTAAGATATGGAAGAC  
 CAGTCTGATCCAACCTCCCGTGTCCACTGCTCCATCCAAGGCAGGCCCTGGCCGCCACATCTACCTGT  
 GTGGAGTTCCTGGGGCCGTGTGAGCAGGAGGAGAGGAAATTCGCTCCAGAGTCCATCCTGTGGTAC  
 CACCCACTGGCCCAAGCAATTGGTCCCGGCCATCCCATCTGCAGCATCCCCGTGATGCATCCCTCCC  
 ACCACTAGAGTGGCCACTCTCAACCAAGTCGGGCTCCTATGAGCTTCGATTGAGTCCAGCCCAAGCCC  
 CATCACCGAGCCCACTATGAGACAGAGGCGAGCCGTGGCGCTGTCAAAGCCCCAACAGGAGGACACCCTG  
 TGGTGCAGCTCCACGGCTACATGGAGAACAAGCCTCTGGGGCTTCAGATCTTCATCGGGACGGCTGATGA  
 ACGGATCCTTAAGCCACACGCCTTCTACCAAGTACACAGGATCACTGGGAAAACAGTGACAACCACTAGC  
 TATGAGAAGATTGTGGGCAACACCAAGTCTGGAGATCCCCCTGGAGCCAAAGAACAACATGCGGGCCA  
 CCATCGACTGCGCAGGCATCCTGAAGCTCCGAAACGCTGACATCGAGCTGCGGAAGGGTGAACAGACAT  
 AGGCAGAAAGAACACGCGTGTGCGCCTGTGTTCCGTGTGCACATCCCGGAGCCAGTGGACGCATCGTC  
 TCCTGCAGGCTGCATCCAACCCATCGAGTGTCTCAGCGCTCTGCCACGAGCTGCCATGGTGGAGA  
 GACAAGACATGGACAGCTGCCTGGTCTACGGCGCCAGCAGATGATCCTCACGGGCCAGAACTTCACAGC  
 TGAGTCCAAGGTTGTGTTTCATGGAGAAGACTACAGATGGGCAGCAGATTTGGGAGATGGAAGCTACAGTG  
 GATAAAGACAAGAGCCAGCCTAACATGCTTTTTGTTGAGATCCCCGAGTATCGGAACAAGCACATCCGGG  
 TGCCCGTGAAGTGAACCTTCTACGTCAACCGAAAAGAGAAAACGAAGTCAGCCACAGCACTTTACTTA  
 CCACCCAGTCCCCGCCATCAAGACAGAGCCAGCGATGAGTATGAACCGTCTTTGATCTGCAGCCCCGCC  
 CACGGAGGCCCTGGGGAGCCAGCCATATTACCCACAGCACCAATGCTGGCCGAGTCCCCCTCCTGTCTTG  
 TGGCCACCATGGCCCCTTGCCAACAGTCCGCTCAGGGCTCTCATCCCCTGATGCTCGCTACCAGCAGCA  
 GAGCCCCGACGCCCTCTACCAGAGGAGCAAGAGCCTGAGTCCAGGCCCTGCTGGCTACCAGCAGCCG  
 TCCCTCTTGGCAGCACCTTGGGTCTGGCTGATGCCACCGTTCGTGCTGGTGCATGCTGGTTCGAGG  
 GGCAGGGGCAGGGCAGGGCTCCACCTTGCCACACACCTCCTCGGCCAGCCAGCAGGCCCTCACCCGTGAT  
 CCACTACTCACCCACCAACCAGCAGTTCGTGGTGGGGTACCAGGAGTTCAGCATATCATGACTGT  
 GAGAATTCGGCCCCAGCTCTGTGAGCCTGGCCTGCCTCCCGTCAACCAAGGTGAGAGGCTGAGCCAG  
 GGTCTACCCACGGTCAACCAACAGACTGCCCGAGCCAAAGAGCTGCCAAAACGGACCCCGGT  
 CAGTGACCAGAAGGAAGCCCTGCCAGTGGAGTACAGTCAAACAGGAGCAGAACCTGGACCAGACTTAC  
 CTGGATGACGTTAATGAAATCATCAGGAAGGAGTTTTCGGGACCTCCCTCCCGAAATCAGACCTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

<b>ACCN:</b>	NM_001107805
<b>Insert Size:</b>	2796 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001107805.1</a></u> , <u><a href="#">NP_001101275.1</a></u>
<b>RefSeq Size:</b>	3701 bp
<b>RefSeq ORF:</b>	2796 bp
<b>Locus ID:</b>	311658
<b>Cytogenetics:</b>	3q42