

Product datasheet for **RN217241**

Nfatc1 (NM_001244933) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfatc1 (NM_001244933) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nfatc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217241 representing NM_001244933
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAAGTACCAGCTTTCCAGTCCCTTCCAAGTTTCCACTCGGCCCTCCGGCCGAGTCTGCGGGAGCG
 GAGAACTTTGCGGCCCGCGCCGCTCGCCGGCGCACCATGAAGGCGGCCGAGGAAGAACAACACTACAGTTA
 TGGCTCCCTAGCGTCACCTCAACTCTGCCCTTCCCACAGCACACTCCGCCCTTGCCAGCGGCATGCCAT
 GACCTCCAGACGTCCACCCCGGGCATCTCAGCTGTTCTTTCGGCCAATCACCCCTCTGGTTATGGGGGCG
 CTGTGGACAGTGGGCCTTCAGGATACTTCTGTCTCCGGCAACACGAGACCCAATGGGGCCCCGACTCT
 CGAGAGTCTCGAATCGAGATCACCTCTATCTGGGCCTTACCACGGCAGCAACCAATTTTTCCACGAT
 GTGGAGGTGGAAGACGTACTTCTAGTGAAGCGGTACCATCTACAGCAACCTGCACCTGCCAGTC
 TGGAAAGCTACAGAGACCCCTCTGCTGAGCCAGCCAGCAGCCTGTCTCCAGGAGCTGTAACCTGA
 GCGTCTCTATGAGTCCAATTTATACCCGTACGCATCCCCCAGACCTCTCCATGGCAGTACCC
 TGTGTGTCTCCAAGACCACGGACCCAGAGGAGGGCTTTCCCGAAGCCTGGGTGCTGCCACTTGTCTGG
 GATCGCCAAGGCACTCCCATCCACCTCTCTCTGTCGCAAGCGTCAACCGAGGAGAGCTGGCTCGGTGCCCG
 TGGCTCCCGGCCACATCCCCCTGCAACAAGCGCAAATACAGTCTCAACGGCAGGCAGCCCTCTGCTCA
 CCCCACACTCGCCACACCATCCCCCATGGCTCCCCTCGGGTACGCGTACGGAAGACACCTGGCTTG
 GTAACACCACCCAGTACACCAGCTCTGCTATTGTGGCAGCCATCAACGCCTGACCACTGATAGCACTCT
 GGACCTGGGTGACGGTGTCTCTAAGTCTCGAAAGACAGCCCTGGAGCACGTGCCCTCTGTGGCCCTC
 AAGGTAGAGCCGGCTGGGAAGACCTGGGCACACACCCACTTCTGACTTCCACCCGAGGAGTTCCG
 CCTTCCAGCACCTTCGGAAGGGTGCCTTTGTGAGCAGTATCTGTGCGTGCCACAGGCCTCGTATCAGTG
 GGCAAAGCCCAAGTCTCTATCCCCAACGTATACATGAGCCCATCCCTGCCTGCCCTTACTGGCAGCTG
 CCGTCGCACTCTGGTCCGTATGAACTCCGGATCGAGGTGCAACCAAGTCTCACACAGGGCTCACTATG
 AGACGGAAGGCAGCCGGGAGCTGTGAAGGCTTCTGCTGGAGGACACCCTGCTGTCGAGTACATGGTTA
 CTTGGAAAACGAGCCTCTCACGCTCCAGCTGTTTATTGGGACGGCTGACGACCGCTGCTACGGCCCAT
 GCCTTCTACCAGGTCCACCGGATCACGGGAAGACTGTCTCCACCACAGCCAGGAGCTATCCTGTCCA
 ACACCAAAGTCTGGAGTCCCCTGCTTCCAGAAAATAACATGCGAGCCATCATCGACTGTGCTGGGAT
 CCTGAAGCTCAGAACTCTGATATCGAGCTGAGGAAAGGGGAGACAGACATCGGGAGAAAGAACCAGG
 GTGCGGCTGGTCTCCGAGTCCACATCCCCAGCCAGCCGCGGACGCTGTCTCCAGGTGGCCTCAA
 ACCCGATCGAGTCTCCAGCGTCCGGCCAGGAACTGCCCTCGTGGAGAAGCAGAGCACAGACAGCTA
 CCCGGTCAATGGAGGGAAGAAGATGGTGTGTCTGGCCATAACTTTCTGCAAGACTCCAAGTCACTTTC
 GTGGAGAAGGCCCCAGATGGCCACCATGTCTGGGAGATGGAAGCGAAAATGACCAGACCTGTGCAAGC
 CAAATTCCTGGTGTGGAGATACCACCTTCCGCAACCAGAGAATAACCAGCCCGTCCAAGTCAGCTT
 CTATGTCTGCAACGGGAAGCGGAAGAGAAGCCAGTACCAGATTTACGTACCTTCTGCCAATGTTCCA
 ATTATAAAGACAGAACCACGGACGACTTTGAGCCAGCTCTGACCTGTGGACCAATGAGCCAGGGACTTA
 GCCCTCTGCCGAGGCCTTACTATAGCCAACAACCTACCCGCGCTCCTGACCTGGCTCCTGCCTTGTGGC
 CGGCTTTGCCCTGCTCACAGAGGAACACGCCGATGCCACGTCTCCAATGCAAGCCAAAGCTCCAC
 GACCTTTCTCTCCGCTACGCCAAGGGCTCGCCAACCCAGGCCACAGTGGTACCTTGGACTTCAGC
 CACCAGCTTACAGGCCCCACCATGCAGGAATTGCCAGACCCATGGCCGTCCAGCCAACTCGCCTGA
 GCAGCCACATCCGTACGGCTACAGCCGAG**TAA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001244933
Insert Size: 2484 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001244933.1, NP_001231862.1</u>
RefSeq Size:	4132 bp
RefSeq ORF:	2484 bp
Locus ID:	100361818
Cytogenetics:	18q12.3