

Product datasheet for **MC222628**

Nfatc2 (NM_010899) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfatc2 (NM_010899) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfatc2
Synonyms:	AI607462; NF-ATc2; NF-ATp; NFAT1; NFAT1-D; Nfatp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222628 representing NM_010899
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGTCCCGAGCCGACGCCGACCCCGATGGCGGGGACGGCCCGCCACGAGCCCGGGGACGTC
 CCCAAGACGAGCTGGACTTTTCCATCCTCTCGATTATGACTATCTGAACCTATCGAAGAAGAACCGAT
 CGCACATAAGGCCATCAGCTCACCTCCGGACTCGCATACCCGGATGATGTCCTGGACTATGGCCTCAAG
 CCATGCAACCCCTTGCAGTCTCTCTGGCGAGCCCTGGCCGGTTCGGAGAGCCGGATAGTATAGGGT
 TCCAGAATTTCTGAGCCGGTCAAGCCAGCAGGGGCTTCGGGCCGAGCCCTCGGATCGAGATCACTCC
 ATCCCACGAACTGATGCAGGCAGGGGGGCCCTCCGTGGGAGAGACGCCGGCTGTCCCCGAGCAGCCG
 GCCCTGGCCCTGGCCGGCTGGCCGCCAGCCGAGGTTACACTGCCCGTGCCGGCTACGAGGGCTACC
 GCGAGCCGCTTGGCTTGGCCCCGCTAGCAGCGGCTCCTCTGCCAGCTTCATTTCTGACACCTTCTCCCC
 CTACACCTCGCCCTGCGTCTCACCAATAACGCCGGGCCGACGACCTGTGTCCCGAGTTTCAAACATC
 CCTGCTCATTATCCCCCAGAACCTCTCCAATAATGTCACCTCGAACCAGCCTCGCCGAGGACAGCTGCC
 TGGGCCGACACTCGCCCGTGCCTCCGCGATCCCGCTCCTCCTCACCCGGTGCCAAGCGGAGGCATTC
 GTGCGCAGAGGCTTTGGTTGCTCCTCTGCCCGCAGCCTCACCCAGCGCTCCCGGAGCCCTCGCCACAG
 CCCTCGCCTCACGTGGCCTGCAGGACGACAGCATCCCGCTGGGTACCCCCACGCGCCGGCTCTGCTG
 TTCTCATGGATGCCCTCAACACCTGGCCACCGACTCGCCCTGCGGGATCCCTCCAAGATATGGAAGAC
 CAGTCTGACCCGACGCTGTGTCCACCCTCCGTCCAAGGTGGCTGGCCGCCACATCTACCTACT
 GTGGAGTCTCTGGGGCCATGTGAGCAGGAGGAGGAGGAATTCGCTCCAGAGTCCATCCTGTGGTAC
 CACCTACTTGGCCCAAGCAGTTGGTGGCCGCAATCCCATCTGCAGCATCCCTGTGACTGCATCCCTCCC
 ACCACTCGAGTGGCCACTCTCCAATCAGTCGGGCTCCTATGAGCTACGGATTGAGGTCCAACCAAGCCC
 CATCACCGGGCCACTATGAGACGGAGGCGAGCCGTGGCGCTGTCAAAGCCCCAACAGGAGGACACCCTG
 TGGTGCAGCTCCACGGCTACATGGAGAACAAGCCTCTGGGGCTTCAGATCTTCATTGGGACAGCAGATGA
 GAGGATCCTTAAGCCGCACGCTTCTACCAAGTACACAGGATCACTGGGAAAACGGTACCACCACGAGC
 TATGAGAAGATCGTAGGCAACACCAAGGTCTGGAGATCCCTGGAGCCAAAGAACAACATGAGAGCCA
 CCATCGACTGTGCAGGCATCCTGAAGCTCCGAAACGCTGACATCGAGCTGCGGAAGGGGAGACGGACAT
 CGGCAGGAAGAACACGCGTGTGGCCTGGTGTCCGCGTGCACGTCCCAGAGCCAGTGGGCGCATCGTC
 TCCCTGCAGGCTGCGTCCAACCCATCGAGTGTCTCAGCGCTCTGCCACGAGCTGCCATGGTGGAGA
 GACAAGACATGGACAGCTGCCTGGTCTACGGGGGCCAGCAGATGATCCTCACGGGCCAGAATTCACAGC
 GGAGTCCAAGGTTGTGTTTCATGGAGAAGACTACAGATGGGCGAGCAGATTTGGGAGATGGAAGCTACGGT
 GATAAAGACAAGAGCCAGCCTAACATGCTTTTTGTTGAGATCCCCGAGTATCGGAACAAGCACATCCGCG
 TGCCCGTGAAGTCAACTTCTACGTCAACAACGAAAGAGGAAACGAAAGTACGCCACAGCACTTTACCTA
 CCACCCAGTCCCTGCCATCAAGACAGAGCCAGCGATGAGTATGAACCATCTTTGATCTGCAGCCCCGCC
 CATGGAGGCTGGGGAGCCAGCCATATTACCCACAGCACCAATGCTGGCCGAGTCCCCCTCCTGCCTTG
 TGGTACCATGGCCCCCTGCCAACAGTTCGGCTCGGGCTCTCATCCCCGATGCTCGCTACCAACAGCA
 GAGCCCCGAGCTGCCCTTACCAGAGAAGCAAGAGCCTGAGTCCCGCCTGCTGGGCTACCAGCAGCCG
 TCCTCCTGGCAGCACCTTGGGTCTGGCTGATGCCACCCTGCTGTGCTGGTGCATGCTGGTTCTCAGG
 GGCAGGGGAGGCTCCACCCTGCCACACATCCTCGGCCAGCCAGCAGGCTCACCCGTGATCCACTA
 CTCACCCACCAACCAGCAGCTTCGCGGTGGGGTACCAGGAGTTCAGCATATCATGACTGTGAAAAC
 TTCGGCCCCAGCTCTGCCAGGCTGGCCCGCTCCCATCAACCAAGGTGACAGGCTGAGCCCGGGCGCT
 ACCCCACAGTCAACAACAGACTGCCCGAGCCAAAGAGTGCACAAAACGGACCCAGTGACCAGAA
 GGAAGCTCTGCCACGGGAGTACCCTCAAACAGGAACAGAACCTGGACCAGACCTACCTGGATGACGTT
 AATGAAATCATCAGGAAGGAGTTTTCAGGACCTCCCTCCCGAAATCAGACCTAGAGCGGACCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2363_a05.zip

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_010899
Insert Size:	2793 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_010899.2 , NP_035029.2
RefSeq Size:	6759 bp
RefSeq ORF:	2784 bp
Locus ID:	18019
UniProt ID:	Q60591
Cytogenetics:	2 88.91 cM
Gene Summary:	<p>Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2, IL-3, IL-4, TNF-alpha or GM-CSF. Promotes invasive migration through the activation of GPC6 expression and WNT5A signaling pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1, also known as IB-IIL-deltaXa) encodes the longest isoform (a).</p>