

Product datasheet for **MC218206**

Nfatc2 (BC064006) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfatc2 (BC064006) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfatc2
Synonyms:	NFAT1, NFAT1-D
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC064006
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGACGTCCCGAGCCGACGCCGACCCCGATGGCGGGGACGGCCCGCCACGAGCCCGGGGAGTC
 CCCAAGACGAGCTGGACTTTTCCATCCTTTCGATTATGACTATCTGAACCCTATCGAAGAAGAACCGAT
 CGCACATAAGGCCATCAGCTCACCTCCGGACTCGCATACCCGGATGATGTCCTGGACTATGGCCTCAAG
 CCATGCAACCCCTTGCCAGTCTCTCTGGCGAGCCCCCTGGCCGGTTCGGAGAGCCGGATAGTATAGGGT
 TCCAGAATTTCTGAGCCCGGTCAAGCCAGCAGGGGCTTCGGGCCGAGCCCTCGGATCGAGATCACTCC
 ATCCCACGAACTGATGCAGGCAGGGGGGCCCTCCGTGGGAGAGACGCCGGCTGTCCCCGAGCAGCCG
 GCCCTGGCCCTGGCCGGCTGGCCGCCAGCCGAGGTTACACTGCCCGTGCCGGCTACGAGGGCTACC
 GCGAGCCGCTTTGCTTGAGCCCCGCTAGCAGCGGCTCCTCTGCCAGCTTCATTTCTGACACCTTCTCCC
 CTACACCTCGCCCTGCGTCTACCCAATAACGCCGGGCCGACGACCTGTGTCCCAAGTTTCAAACATC
 CCTGCTCATTATCCCCAGAACCTCTCCAATAATGTCACCTCGAACCAGCCTCGCCGAGGACAGCTGCC
 TGGGCCGACACTCGCCCGTGCCTCCGCGATCCCGCTCCTCCTCACCCGGTGCCAAGCGGAGGCATTC
 GTGCGCAGAGGCTTTGGTTGCTCCTCTGCCCGCAGCCTCACCCAGCGCTCCCGGAGCCCTCGCCACAG
 CCCTCGCCTCACGTGGCCTGCAGGACGACAGCATCCCGCTGGGTACCCCCACGCGCCGGCTCTGCTG
 TTCTCATGGATGCCCTCAACACCTGGCCACCGACTCGCCCTGCGGGATCCCTCCAAGATATGGAAGAC
 CAGTCTGACCCGACGCTGTGTCCACCGCTCCGTCCAAGGTGGCTGGCCGCCACATCTACCCTACT
 GTGGAGTTCCTGGGGCCATGTGAGCAGGAGGAGAGGGAATTCGCTCCAGAGTCCATCCTGCTGGTAC
 CACCTACTTGGCCCAAGCAGTTGGTGGCCGATTCCTCATGTCAGCATCCCTGTGACTGCATCCCTCCC
 ACCACTCGAGTGGCCACTCTCCAATCAGTCGGGCTCCTATGAGCTACGGATTGAGGTCCAACCCAAGCCC
 CATCACCGGGCCACTATGAGACGGAGGCGAGCCGTGGCGCTGTCAAAGCCCAACAGGAGGACACCCTG
 TGGTGCAGCTCCACGGCTACATGGAGAACAAGCCTCTGGGGCTTCAGATCTTCATTGGGACAGCAGATGA
 GAGGATCCTTAAGCCGCACGCTTCTACCAAGTACACAGGATCACTGGGAAAACGGTCACCACCACGAGC
 TATGAGAAGATCGTAGGCAACACCAAGGTCTGGAGATCCCCCTGGAGCCAAAGAACAACATGAGAGCCA
 CCATCGACTGTGCAGGCATCCTGAAGCTCCGAAACGCTGACATCGAGCTGCGGAAGGGGAGACGGACAT
 CGGCAGGAAGAACACGCGTGTGGCCTGGTGTCCGCGTGCACGTCCCAGAGCCAGTGGGCGCATCGTC
 TCCTGCAAGGCTGCGTCCAACCCATCGAGTGTGTAAGTCAGGGCTGAGGAAGGGGCATGTGAGCATCC
 CCCTGGGAGGTGACCTGCAGGAATCCACCGGTCTGTGGTACCACAAAGGGCAGACACTGTGCCAGGT
 TTTGATGTCTGCTTCTGTCTGTTGGAGACTTCTCTCAGGAAATAAACATAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA
 TCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: BC064006

Insert Size: 1875 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:

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: [BC064006](#), [AAH64006](#)

RefSeq Size: 2080 bp

RefSeq ORF: 1874 bp

Locus ID: 18019

Cytogenetics: 2 88.91 cM

Gene Summary: 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]