

## Product datasheet for **MR209524**

### **Nfatc2 (BC064006) Mouse Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>MR209524 representing BC064006  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGTCCCGAGCCGACGCCGACCCCGATGGCGGGACGGCCCGCCACGAGCCCGGGGACGTC  
 CCCAAGACGAGCTGGACTTTTCCATCCTCTCGATTATGACTATCTGAACCTATCGAAGAAGAACCGAT  
 CGCACATAAGGCCATCAGCTCACCTCCGGACTCGCATACCCGGATGATGTCCTGGACTATGGCCTCAAG  
 CCATGCAACCCCTTGCCAGTCTCTCTGGCGAGCCCTGGCCGGTTCGGAGAGCCGGATAGTATAGGGT  
 TCCAGAATTTCTGAGCCCGGTCAAGCCAGCAGGGGCTTCGGGCCGAGCCCTCGGATCGAGATCACTCC  
 ATCCCACGAACTGATGCAGGCAGGGGGGCCCTCCGTGGGAGAGACGCCGGCTGTCCCCGAGCAGCCG  
 GCCCTGGCCCTGGCCGGCTGGCCGCCAGCCGAGGTTACACTGCCCGTGCCCGCTACGAGGGCTACC  
 GCGAGCCGCTTTGCTTGAGCCCGCTAGCAGCGGCTCCTCTGCCAGCTTCATTTCTGACACCTTCTCCCC  
 CTACACCTCGCCCTGCGTCTACCCAATAACGCCGGGCCGACGACCTGTGTCCCAAGTTTCAAACATC  
 CCTGCTCATTATCCCCAGAACCTCTCCAATAATGTCACCTCGAACAGCCTCGCCGAGGACAGCTGCC  
 TGGGCCGACACTCGCCCGTGCCCGTCCGGCATCCCGCTCCTCCTCACCCGGTGCCAAAGCGGAGGCATTC  
 GTGCGCAGAGGCTTTGGTTGCTCCTCTGCCCGCAGCCTCACCCAGCGCTCCCGGAGCCCTCGCCACAG  
 CCCTCGCCTCAGTGGCACTGCAGGACGACAGCATCCCGCTGGGTACCCCCACGCGCCGGCTCTGCTG  
 TTCTCATGGATGCCCTCAACACCTGGCCACCGACTCGCCCTGCGGGATCCCTCCAAGATATGGAAGAC  
 CAGTCTGACCCGACGCTGTGTCCACCCTCCGTCCAAGGTGGCTGGCCGCCACATCTACCCTACT  
 GTGGAGTCTCTGGGGCCATGTGAGCAGGAGGAGAGGAATTCGCTCCAGAGTCCATCCTGCTGGTAC  
 CACCTACTTGGCCAAGCAGTTGGTGGCCGCAATCCCATCTGCAGCATCCCTGTGACTGCATCCCTCCC  
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 GAGGATCCTTAAGCCGCACGCTTCTACCAAGTACACAGGATCACTGGGAAAACGGTACCACCACGAGC  
 TATGAGAAGATCGTAGGCAACACCAAGTCTGGAGATCCCTGGAGCCAAAGAACAACATGAGAGCCA  
 CCATCGACTGTGCAGGCATCCTGAAGCTCCGAAACGCTGACATCGAGCTGCGGAAGGGCAGACGGACAT  
 CGGCAGGAAGAACACGCGTGTGGCCTGGTGTCCGCTGCACGTCAGAGCCAGTGGGCGCATCGTC  
 TCCTGCAGGCTGCGTCCAACCCATCGAGTGTGTAAGTCAGGGCTGAGGAAGGGGCATGTGAGCATCC  
 CCCTGGGCAGGTGACCTGCAGGAATCCACCGGTCTGTGGTGACCCAAAGGGCAGACACTGTGCCAGGT  
 TTTGATGTCTGCTTCTGTCTGTTGGAGACTTCTCTCAGGAAATAAAACA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209524 representing BC064006  
 Red=Cloning site Green=Tags(s)

MDVPEPQPDPDGGDGPHEPGGSPQDELDFILFDYDYLNPIDEEPIAHKAISSPSGLAYPDDVLDYGLK  
 PCNPLASLSGEPGRFGEPDSIGFQNFSPVKPAGASGSPRIEITPSHELMQAGGALRGRDAGLSPEQP  
 ALALAGVAASPRFTLPVPGYEGYREPLCLSPASSGSSASFISDTFSPTYSPCVSPNNAGPDDLCPQFQNI  
 PAHYSPTSPIMSPRTSLAEDSCLGRHSPVPRPASRSSSPGAKRRHSCEALVAPLPAASPQRSRSPSPQ  
 PSPHVALQDSSIPAGYPPTAGSAVMDALNLTATDSPCGIPSKIWKTSPTDPTPVSTAPSKAGLARHIYPT  
 VEFLGPCQEERNSAPESILLVPPTWPKQLVPAIPICSIPTVATSLPPLWPLSNQSGSYELRIEVPKPK  
 HHRAYHETEGSRGAVKAPTGGHPVQVQLHGYMENKPLGLQIFIGTADERILKPHAFYQVHRTGKTVTTTS  
 YEKIVGNTKVLKIPLEPKNNMRATIDCAGILKLRNADIELRKGETDIGRKNTRVRLVFRVHVPEPSGRIV  
 SLQAASNPIDCKSGLRKGHVSIPPGQVTCRNPPVCGDPKGRHCAQVLMASVCLWRLLSGNKT

**SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDK**V**



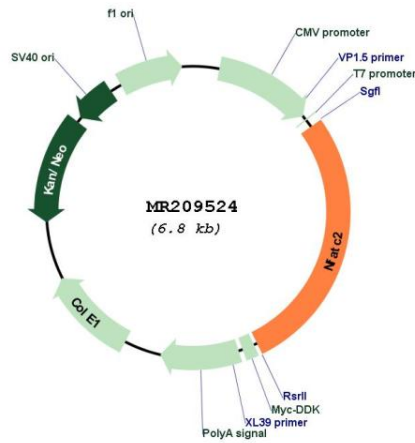
**Locus ID:** 18019

**Cytogenetics:** 2 88.91 cM

**MW:** 76.2 kDa

**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]

**Product images:**



Circular map for MR209524