

Product datasheet for **SC103370**

NFATC2IP (NM_032815) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFATC2IP (NM_032815) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFATC2IP
Synonyms:	ESC2; NIP45; RAD60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032815, the custom clone sequence may differ by one or more nucleotides

ATGGCGGAGCCTGTGGGAAGCGGGGCCGCTGGTCCGGAGGTAGCGGTGCCGGCCGAGGGGGTCGGGGCG
 GCTGGGGCGGTGCGGGCCGGCGTCTCGGGCCAGCGGTCTCCATCCCGGGGCACGCTGGACGTAGTGTC
 TGTGGACTTGGTCACCGACAGCGATGAGGAAATCTGGAGGTCGCCACCGCTCGCGGTGCCGCGGACGAG
 GTTGAGGTGGAGCCCCGGAGCCCCGGGGCCGGTCGCGTCCCGGGATAACAGCAACAGTGACAGCGAAG
 GGGAGGACAGGCGGCCCCGAGGACCCCCGCGGAGCCGGTCAGGCGGCGGCGGCGGCTGGTGTGGATCC
 GGGGGAGGCGCCGCTGGTTCGGGTGACTCGGGGAAGGTTAAAGCAGCCTTCGCCTATCCAGATGAT
 CTATCCCTCCTGAACTCTACCCTCCAGGGGATGAGGAAGAGGCAGAGCTGGCAGATTCGAGTGGTCTCT
 ACCATGAGGGCTCCCCATCACCAGGCTCTCCCTGGAAGACAAAGCTGAGGACTAAGGATAAAGAAGAGAA
 GAAAAAGACAGAGTTTCTGGATCTGGACAACCTCTCTCTGTCCTCCACCTTCACCAAGGACAAAAAGCAGA
 ACGCATACTCGGGCACTCAAGAAGTTAAGTGAGGTGAACAAGCGCCTCCAGGATCTCCGTTCTGTCTGA
 GCCCAAGCCACCTCAGGGTCAAGAGCAACAGGGCCAAGAGGATGAAGTGGTCTTGGTGGAAGGGCCAC
 CCTCCCAGAGACCCCCGACTCTTCCCACTCAAATCCGTTGCCGGGTGACCTGGTCAGATTGCCCTC
 AGGATGTCGGAGCCCCTGCAGAGTGTGGTGACCATGGCCACCCACCTTGGGGTGTCCCAAGCAGGA
 TCCTTTTGCTTTTGGAGAGACAGAGCTATCACCTACTGCCACTCCAGGACCCTAAAGCTCGGAGTGGC
 TGACATCATTGACTGTGTGTTACTAACAAGTTCTCCAGAGGCCACAGAGACGTCCCAACAGCTCCAGCTC
 CGGGTGCAAGGAAAGGAGAAACACCAGACACTGGAAGTCTCACTGTCTCGAGATTCCCCTCTAAAGACCC
 TCATGTCCCACTATGAGGAGGCCATGGGACTGTGGGACGGAAGCTCTCCTTCTTCTTTGATGGGACAAA
 GCTTTCAGGCAGGGAGCTGCCAGCTGACCTGGGCATGGAATCTGGGGACCTATTGAGGTCTGGGCTGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032815 unedited
 TGGATTTTGTAAATACGATTTACTATAGGGCGGCCGCGATTCCGGCACGAGGAGGATTTGTG
 GGGCCAGTCTCTCTCCATTGCCTCCGTCCTGTCTCTTGTCTTACAGGGATCTGGAC
 AACTCTCTCTGTCCCCACCTTCACCAAGGACCAAAAGCAGAACGCATACTCGGGCACTC
 AAGAAGTTAAGTGAGGTGAACAAGCGCCTCCAGGATCTCCGTTCTGTCTGAGCCCCAAG
 CCACCTCAGGGTCAAGAGCAACAGGGCCAAGAGGATGAAGTGGTCTTGGTGAAGGGCCC
 ACCCTCCAGAGACCCCCGACTCTTCCCACTCAAAATCCGTTGCCGGGCTGACCTGGTC
 AGATTGCCCTCAGGATGTCGGAGCCCTGCAGAGTGTGGTGGACCACATGGCCACCCAC
 CTTGGGGTGTCCCAAGCAGGATCCTTTTGTCTTTTGGAGAGACAGAGCTATCACCTACT
 GCCACTCCAGGACCCTAAAGCTCGGAGTGGCTGACATCATTGACTGTGTGGTACTAACA
 AGTTCTCCAGAGGCCACAGAGACGTCCCAACAGCTCCAGCTCCGGGTGCAGGGAAGGAG
 AAACACCAGACACTGGAAGTCTCACTGTCTCGAGATCCCTCTAAAGACCCTCATGTCC
 CACTATGAGGAGGCCATGGGACTGTCGGGACGGAAGCTCTCTTCTTTGATGGGACA
 AAGCTTTTANGCAGGGAGCTGCCAGCTGACCTGGGCATGGAATCTGGGGACCTCNATTGA
 GTCTGGGGCTGACACCCCACTCCTGNTTGACGGCCACCCTGAACCTGAGGAGATGACTT
 TCCTTTTTTGCCCATAGGGCTAGCATAGCTGAGGTAGACTATCTTTAGCTGCACAAAAC
 AGGAGTGACTTTGTCCCTCTCCTGTGACCTGGTAAACCGTTACCCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032815 unedited
 ATTGTGGNACCGCGCCGAATTTANGATCGAGTTTTTTTTTTTTTTTTTTTTTAAAAA
 ACAGGTCTCGTGTGTTGCCAGGCTGGTCTCAAACCTCGGGCTCGAGCAATCCTCCTG
 CCTTGGCCTCCTGAGTACAAAAGTGCATCTCAAATAGTTTTAAATGATGTGCAATATTT
 AGCAACCAGTACAGCCCAGCATCAACCAATTAGAAGAAGTGTCTGACTGTTGAGAACAGA
 TGCAGCCAAGGTGTACCCCGGTGTGTACCAGCTGGACTTCAGCACTGTGTAGTGTCTC
 AATATGAAAGGAAAAGCTGAACAGCTAACAGGAGAAGATGTAATAATCTTAACAACTCT
 ATTAATAAAGCAATCAAAAAGCAACCAACTGCAGAACAGATAATTCATACTGTCTACAT
 TAAATTAATAATTTCTTTTTTTTTTGGAGCAAAAGTCTCTGTCACTCAGGCTGATGTG
 CAGTGGCACTGTCTGTCTCACTGCAGCCTCCACCTCCCGGGTCAAGTATTCTCCTGC
 CTCTGCCTCCTGAGTAGCTGGGATTACAAGCATGCGCCACTGCACCCAGCTAATTTTTGT
 ATTTTTAGTAGAGATGGGATTTACCAAGTTGGTCAGGGTGGTCTTGAACCTCTGGCCTC
 AAGTGATCCACCCACCCCGGCCACCGAAAGTGTGGGATTACAGACCTGAGCCATCACGC
 CTAGCCAAAATTAAGAATTTCTGTTTCAAGTACGGATACCCCTAGATACAAAGAAAATTTT
 AATTTTTTCCCTTTAAATTTTTTTTTTGTAGTGAGCCTTGCTCTGTCCAGCCTGGAGTG
 CAANGGTTGAACCTTGGCTCACTGGCATCTCGCCTNCTGGGTTTAAGCGATTCCCTGCC
 TCAGCCTCCAGAGTACTGGGACTATCAGTGTGCGCACCATGCCCAGTTATTTTTGTATTT

Restriction Sites:

NotI-NotI

ACCN:

NM_032815

Insert Size:

3300 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:	NM_032815.1 , NP_116204.1
RefSeq Size:	3877 bp
RefSeq ORF:	417 bp
Locus ID:	84901
UniProt ID:	Q8NCF5
Cytogenetics:	16p11.2
Gene Summary:	In T-helper 2 (Th2) cells, regulates the magnitude of NFAT-driven transcription of a specific subset of cytokine genes, including IL3, IL4, IL5 and IL13, but not IL2. Recruits PRMT1 to the IL4 promoter; this leads to enhancement of histone H4 'Arg-3'-methylation and facilitates subsequent histone acetylation at the IL4 locus, thus promotes robust cytokine expression (By similarity). Down-regulates formation of poly-SUMO chains by UBE2I/UBC9 (By similarity). [UniProtKB/Swiss-Prot Function]