

Product datasheet for **SC317673**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317673 representing NM_032815. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGCGGAGCCTGTGGGAAGCGGGGCCGCTGGTCCGGAGGTAGCGGTGCCGGCCGAGGGGGTCGGGGC
GGCTGGGCGGTGCGGGCCGGCGTCTCGGGCCAGCGGTCTCCATCCCGGGCACGCTGGACGTAGTG
TCTGTGGACTTGGTCACCGACAGCGATGAGGAAATTCGGAGGTGCGCACCGCTCGCGGTGCCGGGAC
GAGGTTGAGGTGGAGCCCCGGAGCCCCGGGGCCGGTCCGTCGCCGGGATAACAGCAACAGTGACAGC
GAAGGGGAGGACAGGCGGCCCGCAGGACCCCCGGGGAGCCGGTCAGGCGGCGGGCGGCTGGTGCTG
GATCCGGGGAGGCGCGCTGGTCCGGTGTACTCGGGGAAGTTAAAAGCAGCCTTCGCCTTATCCCA
GATGATCTATCCCTCCTGAACTCTACCTCCAGGGGATGAGGAAGAGGCAGAGCTGGCAGATTCGAGT
GGTCTCTACCATGAGGGCTCCCCATCACCAGGCTCTCCCTGGAAGACAAAGCTGAGGACTAAGGATAAA
GAAGAGAAGAAAAAGACAGAGTTTCTGGATCTGGACAACCTCTCCTCTGTCCCCACCTTCACCAAGGACC
AAAAGCAGAACGCATACTCGGGCACTCAAGAAGTTAAGTGAGGTGAACAAGCGCTCCAGGATCTCCGT
TCCTGTCTGAGCCCCAAGCCACCTCAGGGTCAAGAGCAACAGGGCCAAGAGGATGAAGTGGTCTTGGTG
GAAGGGCCACCTCCAGAGACCCCCGACTCTTCCCACTCAAATCCGTTGCCGGGTGACCTGGTG
AGATTGCCCTCAGGATGTCGGAGCCCCGAGAGTGTGGTGACCATGGCCACCCACCTTGGGGTG
TCCCCAAGCAGGATCCTTTTGTCTTTTGGAGAGACAGAGCTATCACCTACTGCCACTCCAGGACCCTA
AAGCTCGAGTGGCTGACATCATTGACTGTGTGTAATAACAAGTTCTCCAGAGGCCACAGAGACGTCC
CAACAGCTCCAGCTCCGGGTGCAGGGAAGGAGAAACACCAGACACTGGAAGTCTCACTGTCTCGAGAT
TCCCTCTAAAGACCCTCATGTCCCACTATGAGGAGGCCATGGGACTGTCGGGACGGAAGCTCTCTTC
TTCTTTGATGGGACAAAGCTTTAGGCAGGAGCTGCCAGCTGACCTGGGCATGGAATCTGGGGACCTC
ATTGAGTCTGGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_032815
Insert Size:	1260 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_032815.3</u>
RefSeq Size:	3877 bp
RefSeq ORF:	1260 bp
Locus ID:	84901
UniProt ID:	<u>Q8NCF5</u>
Cytogenetics:	16p11.2
MW:	45.8 kDa
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]