

Product datasheet for **RC218880**

ABIN3 (TNIP3) (NM_024873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABIN3 (TNIP3) (NM_024873) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABIN3
Synonyms:	ABIN-3; LIND
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218880 representing NM_024873 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCACATTTTGTACAGGGCACATCTAGAATGATTGCCCGAGAAAGTTCTACGGAGCATAAAGAGTGTG
CTGAACCATCAACAAGAAAGAATTGATGAATTCTTGAACAAAAGATAAGGTGTTGGAAAAACAAAG
AAAAGAGCTCCTGGAAGTTAACCAGCAATGGGATCAGCAATTTAGAAGTATGAAAGAGTTATATGAAAGA
AAGGTAGCAGAGCTGAAGACGAAACTGGACGCCCGGAAAGATTCCTCAGCACGGGAGAAAGGATCCGC
ATCAGAGGCAGAGAAAGGACGACAGGCAGAGAGAGGACGACAGGCAGCGCGACCTGACCCGGGACCGCT
GCAGCGGAGGAGAAGGAAAAGGAACGCCTAAATGAAGAATTACATGAATTGAAAGAAAGAGAATAAACTT
TTAAAGGGAAAAAATACTCTTGCGAACAAGGAAAAGGAACATTACGAATGTGAAATAAAACGCCTCAATA
AGGCTCTTCAGGATGCCTTGAATATCAAGTGTTCAATTTCCGAGGACTGTTTGAGGAAAGTCTCGAGTGGA
ATTCTGCCATGAGGAGATGAGAACAGAAATGGAAGTCTGAAGCAGCAGGTGCAAAATACGAGAAGAGAC
TTCAAAAAGGAACGATCGGATCGAGAGAGACTTAATCAAGAGAAAAGAGGAGCTACAGCAAATTAATGAAA
CTTCCAATCCCAGTTGAACAGGCTGAATTCAGATAAAAAGCTTGTGAGTGGAGAAAGAAAACTAGA
AAAGCAATTAACAGATGTATTGCCACCCCTGTAAGTGGGCTTGTTTTCCACCTGCAAGATCCATGG
GTACCAACAGGCCCTGGAGCTGTGAGAAGCAACGGGAGCACCCACCAGACTATCAGTGGTATGCTCTTG
ACCAGCTTCGCCAGATGTACAACACAAGGCAAATGGTTTATCCTCAGTAAAGAAAGTCCATCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218880 representing NM_024873
Red=Cloning site Green=Tags(s)

MAHFVQGTSRMIAAESSTEHKECAEPSTRKNLMNSLEQKIRCLEKQRKELLEVNQQWDQQFRSMKELYER
 KVAELKTKLDAERFLSTREKDPHQQRKDDRRQREDDRRDLTRDLQREEKEKERLNEELHELKEENKL
 LKGNLANKEKEHYECEIKRLNKALQDALNIKCSFSEDCLRKSRVEFCHHEEMRTEMLKQQVQIYEED
 FKKERSDRERLNQEKEELQQINETSQSQLNRLNSQIKACQMEKEKLEKQLKQMYCPPCNCGLVFHLQDPW
 VPTGPGAVQKQREHPPDYQWYALDQLPPDVQHKANGLSSVKKVHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6045_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024873

ORF Size: 975 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024873.6](#)

RefSeq Size: 2426 bp

RefSeq ORF: 978 bp

Locus ID: 79931

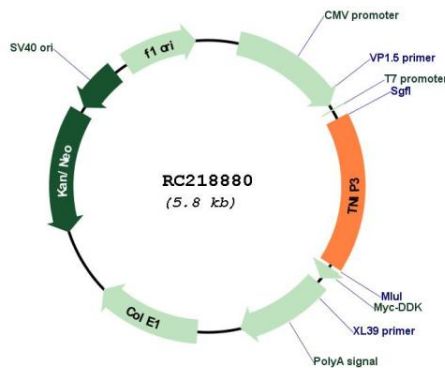
UniProt ID: [Q96KP6](#)

Cytogenetics: 4q27

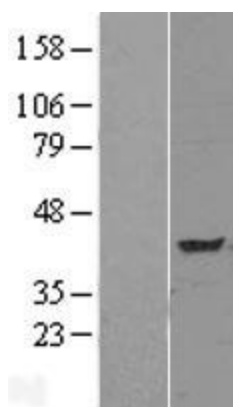
MW: 38.8 kDa

Gene Summary: Binds to zinc finger protein TNFAIP3 and inhibits NF-kappa-B activation induced by tumor necrosis factor, Toll-like receptor 4 (TLR4), interleukin-1 and 12-O-tetradecanoylphorbol-13-acetate. Overexpression inhibits NF-kappa-B-dependent gene expression in response to lipopolysaccharide at a level downstream of TRAF6 and upstream of IKBKB. NF-kappa-B inhibition is independent of TNFAIP3 binding.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC218880



Western blot validation of overexpression lysate (Cat# [LY427001]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225469] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).