

## Product datasheet for RC225469

### ABIN3 (TNIP3) (NM\_001128843) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABIN3 (TNIP3) (NM_001128843) 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:	>RC225469 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACATTTTGTACAGGGCACATCTAGAATGATTGCCGCAGAAAGTTCTACGGAGCATAAAGAGTGTG  
CTGAACCATCAACAAGAAAGAACTTGATGAATTCTTGAACAAAAGATAAGGTGTTGGAAAAACAAAG  
AAAAGAGCTCCTGGAAGTTAACCAGCAATGGGATCAGCAATTTAGAAGTATGAAAGATTATGAAAGA  
AAGGTAGCAGAGCTGAAGACGAAACTGGACGCCCGGAAAGATTCCTCAGCACGGGAGAAAGGATCCGC  
ATCAGAGGCAGAGAAAGGACGACAGGCAGAGAGAGGACGACAGGCATCGCGACCTGACCCGGGACCGCT  
GCAGCGGAGGAGAAGGAAAAGGAACGCCTAAATGAAGAATTACATGAATTGAAAGAAAGAGAATAAACTT  
TTAAAGGGAAAAAATACTCTTGCGAACAAGGAAAAGGAACATTACGAATGTGAAATAAAACGCCTCAATA  
AGGCTCTTCAGGATGCCTTGAATATCAAGTGTTTCCGAGGACTGTTTGAGGAAAGTCTCGAGTGGA  
ATTCTGCCATGAGGAGATGAGAACAGAAATGGAAGTCTGAAGCAGCAGGTGCAATATACGAAGAAGAC  
TTCAAAAAGGAACGATCGGATCGAGAGAGACTTAATCAAGAGAAAAGAGGAGCTACAGCAAATTAATGAAA  
CTTCCAATCCCAGTTGAACAGGCTGAATTCAGATAAAAAGCTTGTGAGTGGAGAAAGAAAACTAGA  
AAAGCAATTAACAGATGTATTGCCACCCCTGTAAGTGGGCTTGTTTCCACCTGCAAGATCCATGG  
GTACCAACAGGCCCTGGAGCTGTGAGAAGCAACGGGAGCACCCACAGACTATCAGTGGTATGCTCTTG  
ACCAGCTTCGCCAGATGTACAACAAGGCAAATGGTTTATCCTCAGTAAAGAAAGTCCATCCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC225469 protein sequence  
Red=Cloning site Green=Tags(s)

MAHFVQGTSRMIAAESSTEHKECAEPSTRKNLMNSLEQKIRCLEKQRKELLEVNQQWDQQFRSMKELYER  
 KVAELKTKLDAERFLSTREKDPHQQRKDDRRQREDDRRDLTRDLQREEKEKERLNEELHELKEENKL  
 LKGNLTKLANKEKEHYECEIKRLNKALQDALNIKCSFSEDCLRKSRVEFCHHEEMRTEMLKQQVQIYEED  
 FKKERSDRERLNQEKEELQQINETSQSQLNRLNSQIKACQMEKEKLEKQLKQMYCPPCNCGLVFHLQDPW  
 VPTGPGAVQKQREHPPDYQWYALDQLPPDVQHKANGLSSVKKVHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6045\\_a08.zip](https://cdn.origene.com/chromatograms/mk6045_a08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001128843

**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\\_001128843.1](#), [NP\\_001122315.1](#)

**RefSeq Size:** 2410 bp

**RefSeq ORF:** 1110 bp

**Locus ID:** 79931

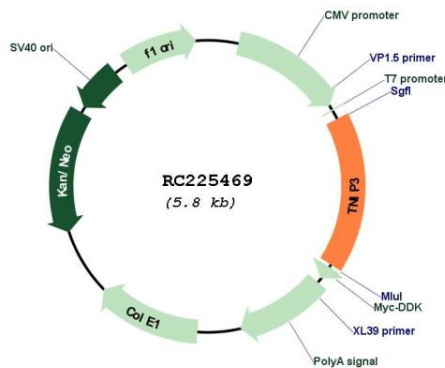
**UniProt ID:** [Q96KP6](#)

**Cytogenetics:** 4q27

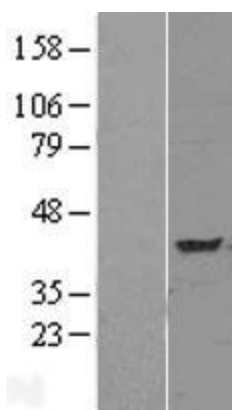
**MW:** 39 kDa

**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]

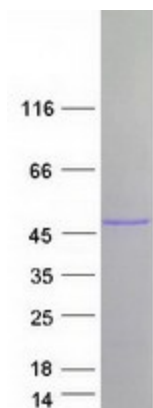
**Product images:**



Circular map for RC225469



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]).



Coomassie blue staining of purified TNIP3 protein (Cat# [TP325469]). The protein was produced from HEK293T cells transfected with TNIP3 cDNA clone (Cat# RC225469) using MegaTran 2.0 (Cat# [TT210002]).