

## Product datasheet for **RC234424**

### **TNIP1 (NM\_001258456) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TNIP1 (NM_001258456) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNIP1
Synonyms:	ABIN-1; NAF1; nip40-1; VAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234424 representing NM\_001258456  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGGGAGAGACCGTACCGGATCTACGACCTGGGGCAGCGTGCCCTCAGGAGAGGCATCCGCAG  
 CTTTTGAGCGCCTAGTGAAGGAGAATCCCGGCTGAAGGAAAAATGCAAGGGATAAAGATTTAGGGGA  
 GCTTTTGAAGAGTCCCAGATGGAAGCGACCAGGCTCCGGCAGAAGGCAGAGGAGCTAGTGAAGGACAAC  
 GAGCTGCTCCACCACCTTCTCCCTCCTTGGGCTCCTTCGACCCCTGGCTGAGCTCACAGGAAAGGACT  
 CAAATGTCACAGCATCTCCACAGCCCCTGCATGCCCCAGTGACAAGCCAGCACCAGTCCAGAAGCCTCC  
 ATCCAGTGGCACCTCCTCTGAATTTGAAGTGGTCACTCCTGAGGAGCAGAATTCACCAGAGAGCAGCAGC  
 CATGCCAATGCGATGGCGCTGGGCCCTGCCCGTGAGGACGGCAACCTGATGCTGCACCTGCAGCGCC  
 TGGAGACCACGCTGAGTGTGTGCGGAGGAGCCGGACCAGGCCAGCTTTCACCCACCTGGGCCGCAT  
 GGCCTGGAGTTC AACCGACTGGCATCCAAGGTGCACAAGAATGAGCAGCGCACCTCCATTTCTGCAGACC  
 CTGTGTGAGCAGCTTCGGAAGGAGAACGAGGCTCTGAAGGCCAAGTTGGATAAAGGCCTGGAACAGCGGG  
 ATCAGGCTGCCGAGAGGCTGCCGGAGGAAAAATTTGGAGCTCAAGAAGTTGTTGATGAGCAATGGCAACA  
 AGAGGGTGCCTCTGGCGGCCAGGCTCACCGAAGATGGAAGGGACAGGCAAGAAGGCAGTGGCTGGACAG  
 CAGCAGGCTAGTGTGACGGCAGGTAAGGTCCCAGAGGTGGTGGCCTTGGGCGCAGCCGAGAAGAAGTGA  
 AGATGCTGGAGCAGCAGCGCAGTGAAGTCTGCTGGAAGTGAACAAGCAGTGGGACCAGCATTTCGGTCCAT  
 GAAGCAGCAGTATGAGCAGAAGTCACTGAGCTGCGTCAAGAGCTGGCTGATTTGCAGAAGCAGGTGACT  
 GACCTGGAGGCCGAGCGGAGCAGAAGCAGCGTGACTTTGACCGCAAGCTCCTCTGGCCAAGTCCAAGA  
 TTGAAATGGAGGAGACCGACAAGGAGCAGCTGACAGCAGAGGCCAAGGAGCTGCGCCAAAAGGTCAAGTA  
 CCTGCAGGATCAGCTGAGCCCACTCACCCGACAGCGTGAGTACCAGGAAAAGGAGATCCAGCGGCTCAAC  
 AAGGCCCTGGAGGAAGCACTGAGCATCCAAACCCGCCATCATCTCCACCAACAGCATTGGGAGCCAG  
 AAGGAGCAGGGGCCCTCCTAAGGAAACAGGAGCTGGTCACGCAGAATGAGTTGCTGAAACAGCAGGTGAA  
 GATCTTCGAGGAGGACTTCAGAGGGAGCGCAGTATCGTGAGCGCATGAATGAGGAGAAGGAAAGAGCTG  
 AAGAAGCAAGTGGAGAAGCTGCAGGCCAGGTACCCTGTCAAATGCCAGCTAAAAGCATTCAAAGATG  
 AGGAGAAGGCAAGAGAAGCCCTCAGACAGCAGAAGAGGAAAGCAAAGAGTCTCCAAAAATGACCGTGAG  
 GGGCTCAGTGAAGCAGATTGTGTCATTTGGCTCCACCTTCATCTGCAGAGCCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234424 representing NM\_001258456  
 Red=Cloning site Green=Tags(s)

MEGRGPYRIYDPGGSVPSGEASAAFERLVKENSRLKEKMQGIKMLGELLEESQMEATRLRQKAEELVKDN  
 ELLPPSPSLGSLFDPLAELTGKDSNVTASPTAPACPSDKPAPVQKPPSSGTSSEFEVVTPEEQNSPSSS  
 HANAMALGPLPREDGNLMLHLQRLETTLSVCAEEDPHGQLFTHLGRMALEFNRLASKVHKNEQRTSILQT  
 LCEQLRKENEALKAKLDKLEQRDQAAERLREENLELKKLLMSNGNKEGASGRPGSPKMEGTGKKAVAGQ  
 QQASVTAGKVPEVVALGAAEKVKMLEQQRSELLEVNKQWDQHFRRSMKQQYEQKITELRQKLADLQKQVT  
 DLEAEREKQQRDFDRKLLAKSKIEMEETDKEQLTAEAKELRQKVYLDQQLSPLTRQREYQEKEIQRLN  
 KALEEALSIQTPPSSPTAFGSPEGAGALLRKQELVTQNELLKQQVKIFEEDFQRRERSDRERMNEEKEEL  
 KKQVEKLAQVTLNAQLKAFKDEEKAREALRQKRKAKSLQKMTVRGLSETRLCHLAPPSSCRAS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001258456

**ORF Size:** 1668 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\\_001258456.1](#), [NP\\_001245385.1](#)

**RefSeq Size:** 2428 bp

**RefSeq ORF:** 1671 bp

**Locus ID:** 10318

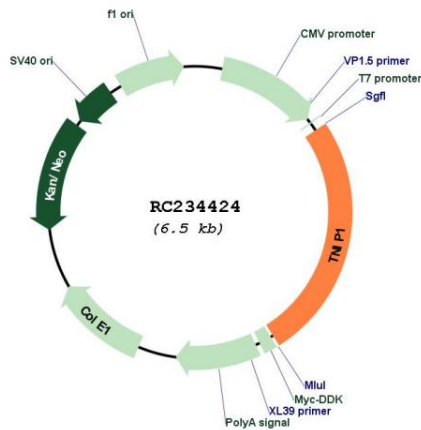
**UniProt ID:** [Q15025](#)

**Cytogenetics:** 5q33.1

**MW:** 63.1 kDa

**Gene Summary:** This gene encodes an A20-binding protein which plays a role in autoimmunity and tissue homeostasis through the regulation of nuclear factor kappa-B activation. Mutations in this gene have been associated with psoriatic arthritis, rheumatoid arthritis, and systemic lupus erythematosus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

**Product images:**



Circular map for RC234424