

Product datasheet for **RG234461**

TNIP1 (NM_001258455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNIP1 (NM_001258455) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TNIP1
Synonyms:	ABIN-1; NAF1; nip40-1; VAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234461 representing NM_001258455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGGGAGAGACCGTACCGGATCTACGACCTGGGGCAGCGTGCCCTCAGGAGAGGCATCCGCAG
 CTTTTGAGCGCCTAGTGAAGGAGAATCCCGGCTGAAGGAAAAATGCAAGGGATAAAGATGTTAGGGGA
 GCTTTTGAAGAGTCCCAGATGGAAGCGACCAGGCTCCGGCAGAAGGCAGAGGAGCTAGTGAAGGACAAC
 GAGCTGCTCCACCACCTTCTCCCTCCTTGGGCTCCTTCGACCCCTGGTGAGCTCACAGGAAAGGACT
 CAAATGTCACAGCATCTCCACAGCCCCTGCATGCCCCAGTGACAAGCCAGCACCAGTCCAGAAGCCTCC
 ATCCAGTGGCACCTCCTCTGAATTTGAAGTGGTCACTCCTGAGGAGCAGAATTCACCAGAGAGCAGCAGC
 CATGCCAATGCGATGGCGCTGGGCCCTGCCCGTGAGGACGGCAACCTGATGCTGCACCTGCAGCGCC
 TGGAGACCACGCTGAGTGTGTGCGGAGGAGCCGGACCAGGCCAGCTTTCACCCACCTGGGCCGCAT
 GGCCCTGGAGTTC AACCGACTGGCATCCAAGGTGCACAAGAATGAGCAGCGCACCTCCATTCTGCAGACC
 CTGTGTGAGCAGCTTCGGAAGGAGAACGAGGCTCTGAAGGCCAAGTTGGATAAAGGCCTGGAACAGCGGG
 ATCAGGCTGCCGAGAGGCTGCCGGAGGAAAAATTTGGAGCTCAAGAAGTTGTTGATGAGCAATGGCAACA
 AGAGGGTGCCTCTGGCGGCCAGGCTCACCGAAGATGGAAGGGACAGGCAAGAAGGCAGTGGCTGGACAG
 CAGCAGGCTAGTGTACGGCAGGTAAGGTCCCAGAGGTGGTGGCCTTGGGCGCAGCCGAGAAGAAGGTGA
 AGATGCTGGAGCAGCAGCGCAGTGAAGTGAACAAGCAGTGGGACCAGCATTTCGGTCCAT
 GAAGCAGCAGTATGAGCAGAAGTCACTGAGCTGCGTCAAGAGCTGGCTGATTTGAGAAGCAGGTGACT
 GACCTGGAGGCCGAGCGGAGCAGAAGCAGCGTGACTTTGACCGCAAGCTCCTCTGGCCAAGTCCAAGA
 TTGAAATGGAGGAGACCACAAGGAGCAGCTGACAGCAGAGGCCAAGGAGCTGCGCCAAAAGGTCAAGTA
 CCTGCAGGATCAGCTGAGCCCACTCACCCGACAGCGTGAGTACCAGGAAAAGGAGATCCAGCGGCTCAAC
 AAGGCCCTGGAGGAAGCACTGAGCATCCAAACCCGCCATCATCTCCACCAACAGCATTGGGAGCCAG
 AAGGAGCAGGGGCCCTCCTAAGGAAACAGGAGCTGGTCACGCAGAATGAGTTGCTGAAACAGCAGGTGAA
 GATCTTCGAGGAGGACTTCAGAGGGAGCGCAGTATCGTGAGCGCATGAATGAGGAGAAGGAAAGAGCTG
 AAGAAGCAAGTGGAGAAGCTGCAGGCCAGGTACCCTGTCAAATGCCAGCTAAAAGCATTCAAAGATG
 AGGAGAAGGCAAGAGAAGCCCTCAGACAGCAGAAGAGGAAAGCAAAGCCGGAATACACCTGGCGTCTACC
 CTGTGGAGGGTTGAAATCAAATCAGAGCTCCAAGTATGGACCCTCCACAGCCAGGCCTACAGAA
 CCAGAGTCTCAAAAAATGACCGTGAGGGCCTCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234461 representing NM_001258455
 Red=Cloning site Green=Tags(s)

MEGRGPYRIYDPGGSVPSGEASAAFERLVKENSRLKEKMQGIKMLGELLEESQMEATRLRQKAEELVKDN
 ELLPPSPSLGSLFDPLAELTGKDSNVTASPTAPACPSDKPAPVQKPPSSGTSSEFEVVTPEEQNSPSSS
 HANAMALGPLPREDGNLMLHLQRLETTLSVCAEEDPHGQLFTHLGRMALEFNRLASKVHKNEQRTSILQT
 LCEQLRKENEALKAKLDKLEQRDQAAERLREENLELKKLLMSNGNKEGASGRPGSPKMEGTGKKAVAGQ
 QQASVTAGKVPEVVALGAAEKVKMLEQQRSELLEVNKQWDQHFRRSMKQQYEKITELRQKLADLQKQVT
 DLEAEREKQQRDFDRKLLAKSKIEMEETDKEQLTAEAKELRQKVYLDQQLSPLTRQREYQEKEIQRLN
 KALEEALSIQTPPSSPTAFGSPEGAGALLRKQELVTQNELLKQQVKIFEEDFQRRERSDRERMNEEKEEL
 KKQVEKLAQVTLNAQLKAFKDEEKAREALRQQRKAKPEYTWRLPCGGVVRNPNQSSQVMDPPTARPT
 PESPKNDREGPQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001258455

ORF Size: 1716 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_001258455.1](#), [NP_001245384.1](#)

RefSeq Size: 2525 bp

RefSeq ORF: 1719 bp

Locus ID: 10318

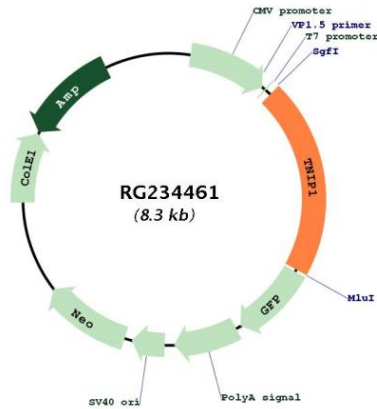
UniProt ID: [Q15025](#)

Cytogenetics: 5q33.1

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 RG234461