

Product datasheet for **RG234626**

TNIP1 (NM_001258454) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNIP1 (NM_001258454) 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)



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ORF Nucleotide Sequence:

>RG234626 representing NM_001258454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGGAGAGACCGTACCGGATCTACGACCTGGGGCAGCGTGCCCTCAGGAGAGGCATCCGCAG
 CTTTTGAGCGCCTAGTGAAGGAGAATCCCGGCTGAAGGAAAAAATGCAAGGGATAAAGATGTTAGGGGA
 GCTTTTGAAGAGTCCCAGATGGAAGCGACCAGGCTCCGCGCAGAAGGCAGAGGAGCTAGTGAAGGACAAC
 GAGCTGCTCCCACCACCTTCTCCCTCCTTGGGCTCCTTCGACCCCTGGCTGAGCTCACAGGAAAGGACT
 CAAATGTCACAGCATCTCCACAGCCCCTGCATGCCCCAGTGACAAGCCAGCACCAGTCCAGAAGCCTCC
 ATCCAGTGGCACCTCCTCTGAATTTGAAGTGGTCACTCCTGAGGAGCAGAATTCACCAGAGAGCAGCAGC
 CATGCCAATGCGATGGCGCTGGGCCCTGCCCGTGAGGACGGCAACCTGATGCTGCACCTGCAGCGCC
 TGGAGACCACGCTGAGTGTGTGTCGAGGAGCCGGACCAGGCCAGCTTTCACCCACCTGGGCCGCAT
 GGCCTGGAGTTCACCCGACTGGCATCCAAGGTGCACAAGAATGAGCAGCGCACCTCCATTTGTCAGACC
 CTGTGTGAGCAGCTTCGGAAGGAGAACGAGGCTCTGAAGGCCAAGTTGGATAAAGGCCTGGAACAGCGGG
 ATCAGGCTGCCGAGAGGCTGCCGGAGGAAAAATTTGGAGCTCAAGAAGTTGTTGATGAGCAATGGCAACA
 AGAGGGTGCCTCTGGCGGCCAGGCTCACCGAAGATGGAAGGGACAGGCAAGAAGGCAGTGGCTGGACAG
 CAGCAGGCTAGTGTACGGCAGGTAAGGTCCCAGAGGTGGTGGCCTTGGGCGCAGCCGAGAAGAAGTGA
 AGATGCTGGAGCAGCAGCGCAGTGAAGTCTGCTGGAAGTGAACAAGCAGTGGGACCAGCATTTCGGTCCAT
 GAAGCAGCAGTATGAGCAGAAGTCACTGAGCTGCGTCAAGAGTGGCTGATTTGAGAAGCAGGTGACT
 GACCTGGAGGCCGAGCGGAGCAGAAGCAGCGTGACTTTGACCGCAAGCTCCTCTGGCCAAAGTCCAAGA
 TTGAAATGGAGGAGACCACAAGGAGCAGCTGACAGCAGAGGCCAAGGAGCTGCGCCAAAAGGTCAGTA
 CCTGCAGGATCAGCTGAGCCCACTCACCCGACAGCGTGAGTACCAGGAAAAGGAGATCCAGCGGCTCAAC
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 GATCTTCGAGGAGGACTTCCAGAGGGAGCGCAGTATCGTGAAGCAGTGAATGAGGAGAAGGAGAGCTG
 AAGAAGCAAGTGGAGAAGCTGCAGGCCAGGTACCCCTGTCAAATGCCAGCTAAAAGCATTCAAAGATG
 AGGAGAAGGCAAGAGAAGCCCTCAGACAGCAGAAGAGGAAAGCAAAGGCCTCAGGAGAGCGTTACCATGT
 GGAGCCCCACCCAGAATCTCTGCGGGGCTACCCCTACGCCTACCCGCCATGCCAGCCATGGTGCCA
 CACCATGGCTTCGAGGACTGGTCCAGATCCGCTACCCCTCCCCCATGGCCATGGAGACCCGCCCC
 CACTCCCCAACTCGCGCCTTCCATCTGCCGGAATACACTGGCGTCTACCCCTGTGGAGGGGTTGAAA
 TCCAAATCAGAGCTCCCAAGTATGGACCTCCACAGCCAGGCCTACAGAACCAGAGTCTCCAAAAAT
 GACCGTGAAGGGCCTCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234626 representing NM_001258454
 Red=Cloning site Green=Tags(s)

MEGRGPYRIYDPGGSVPSGEASAAFERLVKENSRLKEKMQGIKMLGELLEESQMEATRLRQKAEELVKDN
 ELLPPSPSLGSFDPLAELTGKDSNVTASPTAPACPSDKPAPVQKPPSSGTSSEFEVVTPEEQNSPSSS
 HANAMALGPLPREDGNLMLHLQRLLETTLSVCAEEDPHGQLFTHLGRMALEFNRLASKVHKNEQRTSILQT
 LCEQLRKENEALKAKLDKGLEQRDQAAERLREENLELKKLLMSNGNKEGASGRPGSPKMEGTGKKAVAGQ
 QQASVTAGKVPEVVALGAAEKVKMLEQQRSELLEVNKQWDQHFRSMKQQYEQKITELRQKLADLQKQVT
 DLEAEREQKQRDFDRKLLAKSKIEMEETDKEQLTAEAKELRQKVYLDQQLSPLTRQREYQEKIQRNLN
 KALEEALSIQTPSPSPPTAFGSPEGAGALLRKQELVTQNELLKQVKIFEEFQFRERSDRERMNEEKEEL
 KKQVEKLQAQVTLNAQLKAFKDEEKAREALRQQRKAKASGERYHVEPHPEHLGAYPYAYPPMPAMVP
 HHGFEDWSQIRYPMPMAMEHPPLPNRSLFHLPEYTWRLPCGGVRNPQSSQVMDPPTARPTPEPSPKN
 DREGPQ

TRTRPLE – GFP Tag – V

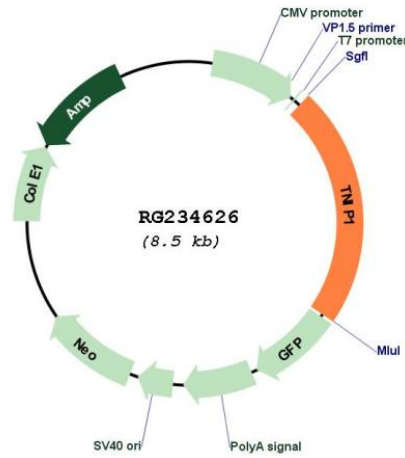
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001258454

ORF Size: 1908 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:	<ol style="list-style-type: none">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_001258454.2
RefSeq Size:	2922 bp
RefSeq ORF:	1911 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]