

Product datasheet for **MG209733**

Tnip1 (NM_021327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnip1 (NM_021327) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnip1
Synonyms:	ABIN; ABIN-1; ABIN1; AU018810; Naf1; Nef; VAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209733 representing NM_021327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGGAGAGACCCTACCGGATCTACGACCCAGGGGCGAGCACGCCTCTGGGAGAGGTGTCCGCAG
 CTTTTGAACGTCTAGTGGAGGAGAATACTCGGCTGAAGGGAAAAATGCAAGGGATAAAGATGTTAGGGGA
 GCTTCTGGAGGAGTCTCAGATGGAAGCGTCCAGACTCCGGCAGAAGGCAGAGGAGCTGGTCAAGGACAGC
 GAGCTGTACCACCGACATCTGCCCCCTCCTTGGTCTCCTTTGATGACCTGGCTGAGCTCACAGGACAGG
 ATACAAAGGTCCAGGTACATCCTGCTACCAGCACTGCCGCCACCACCACCACCACCACGGGAAA
 CTCCATGGAGAAGCCGAGCCAGCCTCCAAATCTCCGTCCAATGGCGCCTCTCGGACTTTGAAGTGGTC
 CCTACTGAGGAGCAGAATTCACCCGAAACTGGCAGCCACCCTACGAACATGATGGACCTGGGGCCCCAC
 CCCCAGAGGACAGCAACCTGAAGCTCCACCTGCAGCGCCTGGAGACCACCCTTAGCGTGTGTGCAGAGGA
 GCCAGACCACAGCCAGCTCTTACCCACCTGGGCCGATGGCCCTCGAGTTCAACAGGTTGGCCTCCAAA
 GTGCATAAAAAATGAGCAGCGCACCTCCATCCTGCAGACCTTATGTGAGCAGCTGCCCCAGGAGAATGAAG
 CCCTGAAGGCCAAGCTGGACAAGGGCCTGGAACAGCGGGATCTGGCTGCTGAGAGGCTGCCGGAGGAAAA
 CACAGAGCTCAAGAACTGTTGATGAACAGCAGCTGCAAAGAGGGACTCTGTGGGCAGCCAGCTCCCCA
 AAGCCAGAGGGTCTGGCAAGAAGGGCGTGGCTGGACAGCAGCAGGCCAGTGTGATGGCGAGTAAAGTCC
 CTGAAGCGGGGTCTTTGGAGCAGCTGAGAAGAAGGTGAAGTTGCTAGAACAGCAACGCATGGAGCTGCT
 GGAAGTGAACAAGCAGTGGGACCAGCATTTCCGGTCCAAGAAGCAGCAGTATGAGCAGAAGATCACAGAG
 CTTCCGACAGAAGCTGGTGGACCTGCAGAAACAGGTAAGTACTGAGCTGGAGGCCGAACGGGAGCAGAAGCAGC
 GTGACTTTGACCGAAACTCCTCCTGGCCAAATCGAAGATAGAGATGGAAGAGACCGCAAGGAGCAGCT
 GACAGCAGAGGCCAAGGAACTGCCCGAGAAGTCAAGTACCTACAGGATCAGCTGAGCCCGCTCACAAAGG
 CAACGAGAATACAGGAGAAGGAGATCCAGCGGCTCAATAAGGCCTGGAGGAGGCCCTCAGCATCCAGG
 CCTCTCCATCATCTCCGCTGCAGCTTTTGGGAGTCTGAAGGCCTGGGGGCCATCTGAGGAAGCAGGA
 ACTGGTGACACAGAATGAGTTGCTGAAACAGCAGGTAAGATCTTTGAAGAGGACTTCCAGAGGGAACGG
 AGTGACCGTGAACGCATGAATGAAGAGAAGGAGGAGCTGAAGAAGCAAGTGAAGAAGCTGCAGGCCCAGG
 TCACCCCTGACTAATGCCAGCTCAAACCTCAAAGAGGAGGAGAAGGCCAAGGAAGTCTCAAACAGCA
 GAAGAGGAAAGCAAAGGCTTCGGGAGAGCGCTACCACATGGAACCCACCCTGAGCACGTCTGCGGCGCC
 TATCCCTATGCCATACCCACCCATGCCAGCCATGGTACCTACCATGCCTACAAGGACTGGTCCCAGATCC
 GATACCCCTCACCCCTGTGCCATGGAGCACCCGCCCCACACCCCAACTCTCGCTCTTCCATCTGCC
 GGAGTACACCTGGCGTCCACCCTGTGCAGGCATTCCGAATCAGAGCTCTCAAGTATGGACCCGCCCCCA
 GACAGGCCTGCAGAGCCAGAGTCTGCAGACAATGACTGTGATGGGCCCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209733 representing NM_021327
 Red=Cloning site Green=Tags(s)

MEGRGPYRIYDPGGSTPLGEVSAAFERLVEENTRLKGMQGIKMLGELLEESQMEASRLRQKAEELVKDS
 ELSPTSAPSLVSFDDLAEITGQDTKVQVHPATSTAATTTATATTGNSMEKPEPASKSPSNGASSDFEVV
 PTEEQNSPETGSHPTNMDLGGPPPPEDSNLKLHLQRLETTLSVCAEEDHSQFLTHLGRMALEFNRLASK
 VHKNEQRTSILQTLCEQLRQENEALKAKLDKLEQRDLAERLREENTELKLLMNSSCKEGLCGQPSSP
 KPEGAGKKGVAGQQQASVMASKVPEAGVFGAAEKVKLLEQQRMELLEVNKQWDQHFRSMKQQYEQKITE
 LRQKLVLDLQKQVTELEAEREQKQRDFDRKLLAKSKIEMEETDKEQLTAEAKELRQKVRYLQDQLSPLTR
 QREYQEKEIQRLNKALEEALSIQASPSSPPAAFSGPEGVGGHLRKQELVTQNELLKQVVKIFEEDFORER
 SDRERMNEEKEELKKQVEKLQAQVTLTNAQLKTLKEEEKAKEVLKQQRKAKASGERYHMEPHPEHVCGA
 YPYAYPPMPAMVPHHAYKDWISQIRYPVPPVMEHPPHPNSRFLHPEYTWPPCAGIRNQSSQVMDPPP
 DRPAEPESADNDCGPPQ

TRTRPLE - GFP Tag - V

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_021327.1 , NP_067302.1
RefSeq Size:	2812 bp
RefSeq ORF:	1944 bp
Locus ID:	57783
Cytogenetics:	11 B1.3
Gene Summary:	Inhibits NF-kappa-B activation and TNF-induced NF-kappa-B-dependent gene expression by regulating A20/TNFAIP3-mediated deubiquitination of IKBKG; proposed to link A20/TNFAIP3 to ubiquitinated IKBKG. Involved in regulation of EGF-induced ERK1/ERK2 signaling pathway; blocks MAPK3/MAPK1 nuclear translocation and MAPK1-dependent transcription. Increases cell surface CD4(T4) antigen expression. Involved in the anti-inflammatory response of macrophages and positively regulates TLR-induced activation of CEBPB. Involved in the prevention of autoimmunity; this function implicates binding to polyubiquitin. Involved in leukocyte integrin activation during inflammation; this function is mediated by association with SELPLG and dependent on phosphorylation by SRC-family kinases.[UniProtKB/Swiss-Prot Function]