

## Product datasheet for **MR209733**

### Tnip1 (NM\_021327) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tnip1 (NM_021327) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnip1
Synonyms:	ABIN; ABIN-1; ABIN1; AU018810; Naf1; Nef; VAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR209733 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGGGAGAGACCCTACCGGATCTACGACCCAGGGGCGAGCACGCCTCTGGGAGAGGTGTCCGCAG  
 CTTTTGAACGTCTAGTGGAGGAGAATACTCGGCTGAAGGGAAAAATGCAAGGGATAAAGATGTTAGGGGA  
 GCTTCTGGAGGAGTCTCAGATGGAAGCGTCCAGACTCCGGCAGAAGGCAGAGGAGCTGGTCAAGGACAGC  
 GAGCTGTCAACCCGACATCTGCCCCCTCCTTGGTCTCCTTTGATGACCTGGCTGAGCTCACAGGACAGG  
 ATACAAAGGTCCAGGTACATCCTGCTACCAGCACTGCCGCCACCACCACCACCACCAGGGAAA  
 CTCCATGGAGAAGCCCGAGCCAGCCTCCAAATCTCCGTCCAATGGCGCCTCCTCGGACTTTGAAGTGGTC  
 CCTACTGAGGAGCAGAATTCACCCGAAACTGGCAGCCACCCTACGAACATGATGGACCTGGGGCCCCAC  
 CCCCAGAGGACAGCAACCTGAAGCTCCACTGCAGCGCCTGGAGACCACCCTTAGCGTGTGTGCAGAGGA  
 GCCAGACCACAGCCAGCTCTTCACCCACCTGGGCCGCATGGCCCTCGAGTTCAACAGGTTGGCCTCCAAA  
 GTGCATAAAAAATGAGCAGCGCACCTCCATCCTGCAGACCTTATGTGAGCAGCTGCCCCAGGAGAATGAAG  
 CCCTGAAGGCCAAGCTGGACAAGGGCCTGGAACAGCGGGATCTGGCTGCTGAGAGGCTGCCGGAGGAAAA  
 CACAGAGCTCAAGAACTGTTGATGAACAGCAGCTGCAAAGAGGGACTCTGTGGGCAGCCAGCTCCCCA  
 AAGCCAGAGGGTGTGGCAAGAAGGGCGTGGCTGGACAGCAGCAGGCCAGTGTGATGGCGAGTAAAGTCC  
 CTGAAGCGGGGTCTTTGGAGCAGCTGAGAAGAAGGTGAAGTTGCTAGAACAGCAACGCATGGAGCTGT  
 GGAAGTGAACAAGCAGTGGGACCAGCATTTCCGGTCCAAGAAGCAGCAGTATGAGCAGAAGATCACAGAG  
 CTTCCGCCAGAAGCTGGTGGACCTGCAGAAACAGGTAACAGCTGGAGGCCGAACGGGAGCAGAAGCAGC  
 GTGACTTTGACCCGAAACTCCTCCTGGCCAAATCGAAGATAGAGATGGAAGAGACCAGCAAGGAGCAGCT  
 GACAGCAGAGGCCAAGGAACTGCCCCAGAAGGTACGTACCTACAGGATCAGCTGAGCCCGCTCACAAAG  
 CAACGAGAATACCAGGAGAAGGAGATCCAGCGCTCAATAAGGCCCTGGAGGAGGCCCTCAGCATCCAGG  
 CCTCTCCATCATCTCCGCTGCAGCTTTTGGGAGTCTGAAGGCGTTGGGGCCATCTGAGGAAGCAGGA  
 ACTGGTGACACAGAATGAGTTGCTGAAACAGCAGGTAAGATCTTTGAAGAGGACTTCCAGAGGGAACGG  
 AGTGACCGTGAACGCATGAATGAAGAGAAGGAGGAGCTGAAGAAGCAAGTAGAGAAGCTGCAGGCCCAGG  
 TCACCCTGACTAATGCCAGCTCAAACTCTCAAAGAGGAGGAGAAGGCCAAGGAAGTCTCAAACAGCA  
 GAAGAGGAAAGCAAAGGCTTCGGGAGAGCGCTACCACATGGAACCCACCCTGAGCACGTCTGCGGCGCC  
 TATCCCTATGCCATACCCACCCATGCCAGCCATGGTACCTCACCATGCCTACAAGGACTGGTCCCAGATCC  
 GATACCCTCCACCCCTGTGCCATGGAGCACCCGCCCCACACCCCAACTCTCGCTCTTCCATCTGCC  
 GGAGTACACCTGGCGTCCACCCTGTGCAGGCATTCCGAATCAGAGCTCTCAAGTGTGGACCCGCCCCCA  
 GACAGGCCCTGCAGAGCCAGAGTCTGCAGACAATGACTGTGATGGGCCCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209733 protein sequence  
 Red=Cloning site Green=Tags(s)

MEGRGPYRIYDPGGSTPLGEVSAAFERLVEENTRLKGMQGIKMLGELLEESQMEASRLRQKAEELVKDS  
 ELSPTTSAPSLVSFDDLAELETGQDTKVQVHPATSTAATTTATATTGNSMEKPEPASKSPSNGASSDFEVV  
 PTEEQNSPETGSHPTNMMDLGP PPPEDSNLKLHLQRLETTLSVCAEEPDSQLFTHLGRMALEFNRLASK  
 VHKNEQRTSILQTLCEQLRQENEALKAKLDKLEQRDLAAERLREENTELKLLMNSSCKEGLCGQPSSP  
 KPEGAGKKGVAGQQQASVMASKVPEAGVFGAAEKKVKLLEQQRMELELVNKQWDQHFRRSMKQQYEQKITE  
 LRQKLVLDLQKQVTELEAEREQKQRFDRKLLLAKSKIEMEETDKEQLTAEAKELRQKVRYLQDQLSPLTR  
 QREYQEKEIQRLNKALEEALSIQASPPPAAFSGPEGVGGHLRKQELVTQNELLKQVQKIFEEDEFQRER  
 SDRERMNEEKEELKKQVEKLQAQVTLTNAQLKTLKEEEKAKEVLKQKQKAKASGERYHMEPHPEHVCGA  
 YPYAYPPMPAMVPHHAYKDSQIRYP P P P P V P M E H P P P H P N S R L F H L P E Y T W R P P C A G I R N Q S S Q V M D P P P  
 DRPAEPESADNDCDGPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_021327

ORF Size: 1944 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\\_021327.1](#), [NM\\_021327.2](#), [NM\\_021327.3](#), [NM\\_021327.4](#), [NP\\_067302.1](#)

**RefSeq Size:** 2838 bp

**RefSeq ORF:** 1944 bp

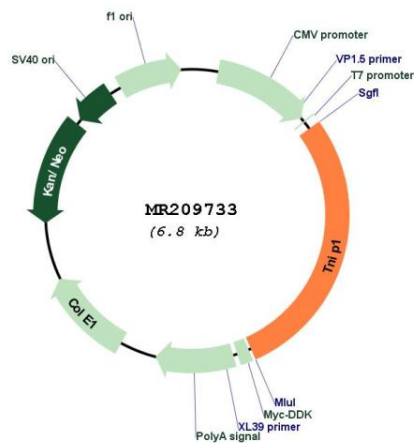
**Locus ID:** 57783

**Cytogenetics:** 11 B1.3

**MW:** 73.1 kDa

**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]

### Product images:



Circular map for MR209733