

Product datasheet for **MC228408**

Tnip1 (NM_001271455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnip1 (NM_001271455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnip1
Synonyms:	ABIN; ABIN-1; ABIN1; AU018810; Naf1; Nef; VAN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228408 representing NM_001271455
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCGTCCAGACTCCGGCAGAAGGCAGAGGAGCTGGTCAAGGACAGCGAGCTGTACCACCGACAT
 CTGCCCCCTCCTTGGTCTCCTTTGATGACTGGCTGAGCTCACAGGACAGGATACAAAGGTCCAGGTACA
 TCCTGCTACCAGCACTGCCGCCACCACCACCGCCACCGCCACCGGAACTCCATGGAGAAGCCCGAG
 CCAGCCTCCAATCTCCGTCCAATGGCGCCTCCTCGGACTTTGAAGTGGTCCCTACTGAGGAGCAGAATT
 CACCCGAACTGGCAGCCACCCTACGAACATGATGGACCTGGGGCCCCACCCAGAGGACAGCAACCT
 GAAGCTCCACCTGCAGCGCTGGAGACCACCTTAGCGTGTGTGCAGAGGAGCCAGACCACAGCCAGCTC
 TTCACCCACCTGGGCCGATGGCCCTCGAGTTCAACAGGTTGGCCTCCAAAGTGCATAAAAAATGAGCAGC
 GCACCTCCATCCTGCAGACCTTATGTGAGCAGCTGCGCCAGGAGAATGAAGCCCTGAAGGCCAAGCTGGA
 CAAGGGCCTGGAACAGCGGGATCTGGCTGCTGAGAGGCTGCGGGAGGAAAACACGGAGCTCAAGAACTG
 TTGATGAACAGCAGCTGCAAAGAGGGACTCTGTGGGCAGCCAGCTCCCCAAAGCCAGAGGGTGCTGGCA
 AGAAGGGCGTGGCTGGACAGCAGCAGGCCAGTGTGATGGCGAGTAAAGTCCCTGAAGCGGGGCCTTTGG
 AGCAGCTGAGAAGAAGGTGAAGTTGCTAGAACAGCAACGCATGGAGCTGCTGGAAGTGAACAAGCAGTGG
 GACCAGCATTTCCGGTCCATGAAGCAGCAGTATGAGCAGAAGATCACAGAGCTTCGCCAGAAGCTGGTGG
 ACCTGCAGAAACAGGTAAGTACTGAGCTGGAGGCCGAACGGGAGCAGAAGCAGCGTACTTTGACCGGAACT
 CCTCCTGGCCAAATCGAAGATAGAGATGGAAGAGACCCACAAGGAGCAGCTGACAGCAGAGGCCAAGGAA
 CTGCGCCAGAAGGTCAGGTACCTACAGGATCAGCTGAGCCCGCTCACAAGGCAACGAGAATACCAGGAGA
 AGGAGATCCAGCGGCTCAATAAGGCCCTGGAGGAGGCCCTCAGCATCCAGGCCTCCTCATCATCTCCGCC
 TGCAGCTTTTGGGAGTCCAGAAGGCGTTGGGGCCATCTGAGGAAGCAGGAAGTGTGACACAGAATGAG
 TTGCTGAAACAGCAGGTAAGATCTTTGAAGAGGACTTCCAGAGGGAACGGAGTGACCGTGAACGCATGA
 ATGAAGAGAAGGAGGAGCTGAAGAAGCAAGTAGAGAAGCTGCAGGCCAGGTACCCTGACTAATGCCCA
 GCTCAAACTCTCAAAGAGGAGGAGAAGGCCAAGGAAGCCCTCAAACAGCAGAAGAGGAAAGCAAAGGCT
 TCGGGAGAGCGCTACCACATGGAACCCACCCTGAGCAGCTGCGGGCGCCTATCCCTATGCCTACCCAC
 CCATGCCAGCCATGGTACCTACCATGCCTACAAGGACTGGTCCCAGATCCGATACCCTCCACCCCTGT
 GCCATGGAGACCCGCCCCACACCCCAACTCTCGCCTTTCCATCTGCCGGAGTACACCTGGCGTCCA
 CCCTGTGCAGGGATTCGGAATCAGAGCTCTCAAGTGTGACCCGCCCCAGACAGGCCTGCAGAGCCAG
 AGTCTGCAGACAATGACTGTGATGGGCCCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001271455
- Insert Size:** 1785 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271455.1](#), [NP_001258384.1](#)

RefSeq Size: 2719 bp

RefSeq ORF: 1785 bp

Locus ID: 57783

UniProt ID: [Q9WUU8](#)

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]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 3 and 4 encode the same isoform (2). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.