

## Product datasheet for **MR230619**

### Tnip1 (NM\_001271455) Mouse Tagged ORF Clone

#### Product data:

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                           |
| Product Name:      | Tnip1 (NM_001271455) Mouse Tagged ORF Clone   |
| Tag:               | Myc-DDK                                       |
| 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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**ORF Nucleotide Sequence:**

>MR230619 representing NM\_001271455  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGCGTCCAGACTCCGGCAGAAGGCAGAGGAGCTGGTCAAGGACAGCGAGCTGTACCACCGACAT  
 CTGCCCCCTCCTTGGTCTCCTTTGATGACTGGCTGAGCTCACAGGACAGGATACAAAGGTCAGGTACA  
 TCCTGCTACCAGCACTGCCGCCACCACCACCGCCACCGCCACCACGGGAACTCCATGGAGAAGCCCGAG  
 CCAGCCTCCAATCTCCGTCCAATGGCGCCTCCTCGGACTTTGAAGTGGTCCCTACTGAGGAGCAGAATT  
 CACCCGAACTGGCAGCCACCCTACGAACATGATGGACCTGGGGCCCCACCCAGAGGACAGCAACCT  
 GAAGCTCCACCTGCAGCGCTGGAGACCACCTTAGCGTGTGTGCAGAGGAGCCAGACCACAGCCAGCTC  
 TTCACCCACCTGGGCCGATGGCCCTCGAGTTCAACAGGTTGGCCTCCAAAGTGCATAAAAAATGAGCAGC  
 GCACCTCCATCCTGCAGACCTTATGTGAGCAGCTGCGCCAGGAGAATGAAGCCCTGAAGGCCAAGCTGGA  
 CAAGGGCCTGGAACAGCGGGATCTGGCTGCTGAGAGGCTGCGGGAGGAAAACACGGAGCTCAAGAACTG  
 TTGATGAACAGCAGCTGCAAGAGGGACTCTGTGGGCAGCCAGCTCCCCAAAGCCAGAGGGTGTGGCA  
 AGAAGGGCGTGGCTGGACAGCAGCAGGCCAGTGTGATGGCGAGTAAAGTCCCTGAAGCGGGGCTTTGG  
 AGCAGCTGAGAAGAAGGTGAAGTTGCTAGAACAGCAACGCATGGAGCTGCTGGAAGTGAACAAGCAGTGG  
 GACCAGCATTTCCGGTCCATGAAGCAGCAGTATGAGCAGAAGTACACAGAGCTTCGCCAGAAGCTGGTGG  
 ACCTGCAGAAACAGGTAAGTACTGAGCTGGAGGCCGAACGGGAGCAGAAGCAGCGTACTTTGACCGGAACT  
 CCTCCTGGCCAAATCGAAGATAGAGATGGAAGAGACCGACAAGGAGCAGCTGACAGCAGAGGCCAAGGAA  
 CTGCGCCAGAAGGTCAGGTACCTACAGGATCAGCTGAGCCCGCTACAAGGCAACGAGAATACCAGGAGA  
 AGGAGATCCAGCGGCTCAATAAGGCCCTGGAGGAGGCCCTCAGCATCCAGGCCCTCCATCATCTCCGCC  
 TGCAGCTTTTGGGAGTCCAGAAGGCGTTGGGGCCATCTGAGGAAGCAGGAAGTACTGACACAGAATGAG  
 TTGCTGAAACAGCAGGTAAGATCTTTGAAGAGGACTTCCAGAGGGAACGGAGTGACCGTGAACGCATGA  
 ATGAAGAGAAGGAGGAGCTGAAGAAGCAAGTAGAGAAGCTGCAGGCCAGGTACCCTGACTAATGCCCA  
 GCTCAAACTCTCAAAGAGGAGGAGAAGGCCAAGGAAGCCCTCAAACAGCAGAAGAGGAAAGCAAAGGCT  
 TCGGGAGAGCGCTACCACATGGAACCCACCCTGAGCAGCTGCGGGCGCCTATCCCTATGCCTACCCAC  
 CCATGCCAGCCATGGTACCTACCATGCCTACAAGGACTGGTCCCAGATCCGATACCCTCCACCCCTGT  
 GCCATGGAGCACCCGCCCCACACCCCAACTCTCGCCTTTCCATCTGCCGGAGTACACCTGGCGTCCA  
 CCCTGTGCAGGGATTCGGATCAGAGCTCTCAAGTATGACCCGCCCCAGACAGGCTGCAGAGCCAG  
 AGTCTGCAGACAATGACTGTGATGGGCCCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230619 representing NM\_001271455  
 Red=Cloning site Green=Tags(s)

MEASRLRQKAELVKDSELSPPTSAPSLVSFDDLAELTGQDQTKVQVHPATSTAATTTATATTGNSMEKPE  
 PASKSPSNGASSDFEVVPTTEEQNSPETGSHPTNMMDLGPDPEDSNLKLHLQRLETTLSVCAEEDPDSQL  
 FTHLGRMALEFNRLASKVHKNEQRTSILQTLCEQLRQENEALKAKLDKGLEQRDLAAERLREENTELKKL  
 LMNSSCKEGLCGQPSSPKPEGAGKKGAVGQQQASVMASKVPEAGAFGAAEKVKLLEQQRMELLEVNKQW  
 DQHFRRSMKQQYEKQITELRQKLVDLQKQVTELEAEREQKQRDFDRKLLLAKSKIEMEETDKEQLTAEAKE  
 LRQKVRYLQDQLSPLTRQREYQEKIQRLNKALEEALSIQASPPSPPAAFSGPEGVGGHLRQELVTQNE  
 LLKQQVKIFEEDFQRERSDRERMNEEKEELKKQVEKLAQVTLTNAQLKTLKEEKAKEALKQQRKAKA  
 SGERYHMEPHPEHVCGAYPYAYPPMPAMVPHHAYKDWSSQIRYPVPPVPMHPPHPNSRLFHLPEYTRWP  
 PCAGIRNQSSQVMDPPPDRPAEPESADNDCDGPQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>   |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_001271455.1</a> , <a href="#">NP_001258384.1</a>  |
| <b>RefSeq Size:</b>           | 2719 bp  |
| <b>RefSeq ORF:</b>            | 1785 bp  |
| <b>Locus ID:</b>              | 57783  |
| <b>UniProt ID:</b>            | <a href="#">Q9WUU8</a>   |
| <b>Cytogenetics:</b>          | 11 B1.3  |
| <b>MW:</b>                    | 67.6 kDa   |
| <b>Gene Summary:</b>          | 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] |