

Product datasheet for **MC218016**

Tnip2 (BC052083) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnip2 (BC052083) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnip2
Synonyms:	1810020H16Rik; ABIN-2; AI428870
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC052083
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGTCTGGGACCCAAGTCTGGTAGACAGGACGGGGCCCCGCGTGGCGCCGACGCGCTCTGTGGCC
TGTACCACGAGGCCGCCAGCAACTACAGCGCCTGAAGGATCAGCTGGCCGCGCGTGACGCCCTCATCGC
GAGCCTCCGACCCCGCTCGCGGCTCTGGAAGGGCACACGGCGCCGCTCACTCGTGAGCAGCACTTCTGGAT
CAGGTGGAGCGCTTCCGTGAGCAGCTGCGACGACAGGAGGAAGGCGCTTCGGAGACCCAGCTGCGGCAGG
AAGTTGAAAGACTTACGGAGCGTCTAGAGGAAAAAGAGAGGGAGATGCAACAGCTGATGACCCAGCTCA
GCATGAGCAAGAGAAGGAGGTAGTCTTGCTTCGGCGAAGTGTGGCAGAGAAGGAGAAAGCCAGGGCCGCC
AGTGATGTTCTGTGCCGCTCCTGGCTGATGAGACCCACCAACTGCGCAGGACATTGGCAGCCACTGCC
ACATGTGCCAACATCTGCCAAATGTCTGGATGAACGACAGTGTGCACAGGGAGACGCTGGGAGAAAAAG
CCCTGCTGAGGAGTAAGATGGATCTGTGCCAGGCCTACACCAAGGACCTGAAAAAGCCTCCTGGATGC
TGCTAGAGCAAACAAGCAGCGATGCTTGGCCAGAGTGTATTAAGAAGTTACAGGAAGAAAAATCGAC
TGTTAAAACAGAAGGTGACTCATGTAGAAGACCTCAATGCTAAGTGGCAGCGTTATGATGCAAGTAGGGA
CGAATATGTGAAGGGTTGCATGCCAGCTAAAGAGGCGGCAGGTCCTCTGGAGCTGAGCTGATGAAG
AAGGAGATTTCCCGACTTAACAGACAGTTGGAGGAGAAAAAAGTGAAGTGTGGGAAAGCAAAACCAGGAGC
TGACAGCCATGAGGATGTCCCGGACACTGCGCTGGAGCGAGTGCAGATGCTAGAACAGCAGATTCTTGC
TTACAAGGATGACTTCAAATCAGAAAGGGCAGATCGGGAACGAGCGCACAGTAGGATTCAAGAGCTGGAG
GAAAAGATCATGTCCTTGATGTACCAAGTGTCCAGAGACAGGACTCCCGGGAGCCAGACCTGTCCGA
TTCATACGGGGAACAAAAGTCCCAAGTACTTAGAGATGGATGCACTGGAGCATGTGACCCCTGGCGGTCG
GAGGCCTGAGTCTAGGTCCCAACAGATGGAACCTTCTGCAGAGGGTGGGCATGTGTGCACAGCCAGAGA
GGTCAGGGTGACCTTCAGTGCCCTCATTGCCTGCGGTGCTTCAGTGATGAGCAAGGCGAGGCATTCTCA
GGCACCTGTCTGAGTGTGCCAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Restriction Sites: SgfI-MluI

ACCN: BC052083

Insert Size: 1356 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).

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: [BC052083](#), [AAH52083](#)

RefSeq Size: 2039 bp

RefSeq ORF: 1355 bp

Locus ID: 231130

Cytogenetics: 5 B2

Gene Summary: Inhibits NF-kappa-B activation by blocking the interaction of RIPK1 with its downstream effector NEMO/IKBKG. Forms a ternary complex with NFKB1 and MAP3K8 but appears to function upstream of MAP3K8 in the TLR4 signaling pathway that regulates MAP3K8 activation. Involved in activation of the MEK/ERK signaling pathway during innate immune response; this function seems to be stimulus- and cell type specific. Required for stability of MAP3K8. Involved in regulation of apoptosis in endothelial cells; promotes TEK agonist-stimulated endothelial survival. May act as transcriptional coactivator when translocated to the nucleus. Enhances CHUK-mediated NF-kappa-B activation involving NF-kappa-B p50-p65 and p50-c-Rel complexes.[UniProtKB/Swiss-Prot Function]