

## Product datasheet for RC237700

### TRIB3 (NM\_001301193) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIB3 (NM_001301193) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIB3
Synonyms:	C20orf97; NIPK; SINK; SKIP3; TRB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237700 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

RCATGCGAGCCACCCCTCTGGCTGCTCCTGCGGGTTCCTGTCCAGGAAGAAGCGGTTGGAGTTGGATGA  
CAACTTAGATACCGAGCGTCCCCTCCAGAAACGAGCTCGAAGTGGGCCCCAGCCAGACTGCCCCCTGC  
CTGTTGCCCTGAGCCACCTACTGCTCCAGATCGTGCAACTGCTGTGGCCACTGCCTCCCGTCTTGGGC  
CCTATGCTCCTCTGGAGCCGAGGAGGGCGGGCGGCCTACCAGGCCCTGCACTGCCCTACAGGCACTGA  
GTATACCTGCAAGGTGTACCCCGTCCAGGAAGCCCTGGCCGTGCTGGAGCCCTATGCGCGGCTGCCCCG  
CACAAGCATGTGGCTCGGCCACTGAGGTCCTGGCTGGTACCCAGCTCCTCTACGCCTTTTTCACTCGGA  
CCCATGGGGACATGCACAGCCTGGTGCGAAGCCGCCACCGTATCCCTGAGCCTGAGGCTGCCGTGCTCTT  
CCGCCAGATGGCCACCGCCTGGCGCACTGTACCAGCACGGTCTGGTCTGCGTGATCTCAAGTGTGT  
CGCTTTGTCTTCGCTGACCGTGAGAGGAAGAAGCTGGTGTGGAGAACCTGGAGGACTCCTGCGTGTGA  
CTGGGCCAGATGATTCCCTGTGGGACAAGCACGCGTGCCAGCCTACGTGGGACCTGAGATACTCAGTCT  
ACGGCCCTCATACTCGGGCAAGGCAGCCGATGTCTGGAGCCTGGGCGTGGCGCTTTCACCATGTGGCC  
GGCCACTACCCCTCCAGGACTCGGAGCCTGTCTGCTCTTCGGAAGATCCGCCGCGGGCCCTACGCCT  
TGCTGCAGGCCTCTCGGCCCTGCCCGTGTCTGGTTCGCTGCCTCCTCGGAGCCAGCTGAACG  
GCTCACAGCCACAGGCATCCTCCTGCACCCTGGCTGCGACAGGACCCGATGCCCTTAGCCCAACCCGA  
TCCCATCTCTGGGAGGCTGCCAGGTGGTCCCTGATGGACTGGGCTGGACGAAGCCAGGAAGAGGAGG  
GAGACAGAGAAGTGGTTCTGTATGGC

AC**CGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
TTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237700 protein sequence  
Red=Cloning site Green=Tags(s)

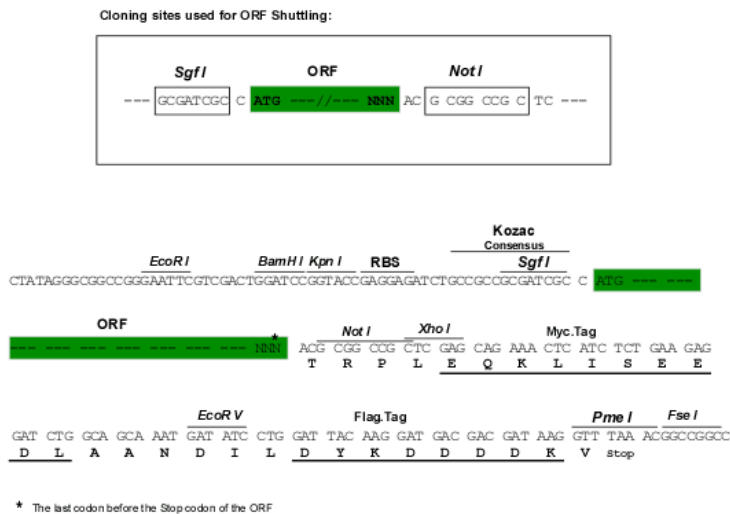
XCEPPLWLLLRVPCGRSGWSWMTT\*IPSVPSRNELEVGPSPDCPPACCP\*AHLLLQIVQLLWPLPPVLG  
 PMSSWSPRRAGGPTRPCTALQALSIPARCTPSRKPWPCWSPMRGCPRTSMWLGPLRSWLVPSSSTPFSLG  
 PMGTCTAWCEAATVLSLRPLPCSSARWPPWRTVTSTVWSCVISSCVLSSLTVRGRSWCWRTWRTAC\*  
 LGQMIPCGTSTRAQPTWDLRYSAHGPHTRARQPMGAWAWRSSPCWPATTPSRTRSLSCSSARSAAGPTP  
 CLQASRPLPAVWFAASFVGSQLNGSQPQASSCTPGCDRTRCP\*PQDPISGRLPRWSLMDWGWTKPKGRR  
 ETEKWFCEM

TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg2479\\_c07.zip](https://cdn.origene.com/chromatograms/mg2479_c07.zip)

**Restriction Sites:** SgfI-NotI

**Cloning Scheme:**



**ACCN:** NM\_001301193

**ORF Size:** 1074 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\\_001301193.1](#), [NP\\_001288122.1](#)

**RefSeq Size:** 2160 bp

**RefSeq ORF:** 1077 bp

**Locus ID:** 57761

**UniProt ID:** [Q96RU7](#)

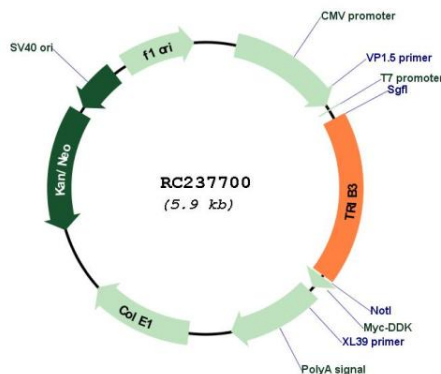
**Cytogenetics:** 20p13

**Protein Families:** Druggable Genome, Protein Kinase, Transcription Factors

**MW:** 39.6 kDa

**Gene Summary:** The protein encoded by this gene is a putative protein kinase that is induced by the transcription factor NF-kappaB. The encoded protein is a negative regulator of NF-kappaB and can also sensitize cells to TNF- and TRAIL-induced apoptosis. In addition, this protein can negatively regulate the cell survival serine-threonine kinase AKT1. Differential promoter usage and alternate splicing result in multiple transcript variants. [provided by RefSeq, Jul 2014]

## Product images:



Circular map for RC237700