

## Product datasheet for **RR211970**

### Tril (NM\_001034010) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tril (NM_001034010) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tril
Synonyms:	RGD1310827
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR211970 representing NM\_001034010  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGTGTGGGCGCCGTGCGCTTCTGGCTCGTGGTGTGCGGCTGCCTGGCTTCCCGCCGGGCGCC  
 AGTCGGTGTGCCGGAGCGCTGCGACTGCCAGCACCCAGCATCTCCTGTGCACCAACAGGGGCTTCG  
 CGCGGTGCCAAGACCAGCTCGCTGCTAGTCCCAGGACGTGCTCACCTACAGCCTAGGCGGCAACTTC  
 ATCACCACATCACCGCCTTCGACTTCCATCGCCTGGGGCAGCTCAGACGGCTGGATCTGCAGTACAACC  
 AGATCCGCTCTCCACCCCAAGACCTTCGAGAAGCTCTCCAGACTAGAGGAGCTGTACCTGGGGAACA  
 CCTTTGACGGCGCTCGCTCCTGGCACGTTGGCCCCGCTGCGCAAATTGCGCATCCTTTACGCCAACGGT  
 AACGAGATTGGACGCTGAGTCGCGCTCCTTCGAGGGCTGGAGAGTCTAGTCAAGCTACGGCTGGACG  
 GGAACGTGCTGGGAGCGCTGCCGACGCGGTCTTCGCTCCTCTGGGCAACCTGCTCTACCTACATCTGGA  
 GGTAACCGGATCCGCTTTTGGCAAGAAGCGCTTACCCAGCTGGGTAAAGCTTCGATTCTCAATCTC  
 TCTGCCAACGAGCTGCAACCCTCTCTGCGGCACGCGGCCACCTTTGTCCCTCTGCGCTCCCTCTACTC  
 TCATCCTCTCTGCCAACAGCCTGCAGCACCTAGGCCCCCGCTTCCAGCACCTGCCACGCTAGGCCCT  
 GCTCTCCCTCAGCGGCAACCAGCTCACCCACTCGCCCCAGAGGCCTTCTGGGGCTGGAGGCCCTGCGT  
 GAGCTGCGCTGGAAGGCAACCGCTGAACCAGCTGCCCTGACCCTGCTGGAGCCTCTGCACAGCTTGG  
 AAGCACTAGATCTGAGCGGCAATGAGCTTCTGCTCTGCATCCCACCCTTTGGCCACCAAGGCCCGCT  
 ACGTGAGCTCAGCTGCGGACAATGCGCTCAGCGCCCTTCTGGAGACATCTTCGCCCGCAGTCCGGCT  
 CTCTACCGGTAGATCTAGACGGCAACGGTTGGACCTGCGACTGCCGTTGCGGGTCTGAAACGCTGGA  
 TGGCAACTGGCATTCTCAGGTGCGCTCCTTACGGTCTTCGTGCAGTGTGCGCACCCCGCCGCTGGC  
 GGGCAAGTACCTGGATTACCTGGATGACCAACTGCTGCAGAATGGGTCTTGCCTGGATCCCTCCCTTCC  
 CCTACAGCAGGCAAGTAGGCAAGTGGCCGATATCCACTGCGCCAGGGGAGGGGATGACGCCCTGACGGTC  
 TCGCGCAGGAGCTGCCACTGCAGCCACAGCCGAGCCCCAGCAGCGGGGAGACTTCTACCAGGAGTGGC  
 CTGGGCTGGGGTGCCAAGGAGCTGGTGGGCAACCGCAGCGCATTAAAGTTGAACCGCGGGGTCCAGGC  
 CTGCAGCATCAGAGCCCTCTGCCGCTGCTGCTTCGGGTTCTGCCCCACAGTCTTGACCTGCACGAGA  
 AGCCAGAGCGAGGACGTCCACCCGAGCAAATCTCCCCAGACGGAGCCACCCGACGTCTGAGCCCGC  
 CTCTGGGACACCATCTGCCAGAGACAGTGGCAGCGCGCAGCAAAGCAGCGCCTCGCTTCAGAGCAGCAA  
 GGGCGTGCCGTCAGTACGATAGTGGCGTGGCTTGCACCTCTGGTGTCTGACCCTGTGACTTCAATA  
 AATTCATTCTATGCAACCTGACCGTAGAGGCAGTGAAGCGCAACAGCGCCTCGGTGCGCTGGGCCGTTCCG  
 AGAGCATCGCAGTCCCGGCCGAGGGCGGCGCAGCTTCCGCCTGCTTTTCGATCGCTTTGGCCAGCAG  
 CCCAAGTTCAGCGCTTTGTCTACCTGCCAGAAGCAGCGACTCGGCCACGCTGCACGAGCTGCGCGGAG  
 ACACCCGTACCTAGTGTGCGTGGAGGGCGTCTCGGGGTCGCTTTGCCCGTGGCCCCCGAGACCA  
 CTGCGCAGGGTTGGTAACCTGCCAGAGGCAAGGAGGTAGAGGTGGCGTGGACTACCAGCTACTGACCTTG  
 GTCTTGTGGCTATCAACGCGTCTGCTGGTCTCCTGGCACTGGCGGCTGGGGATCCCGATGGCTGAGGA  
 GGAAGCTGCGTGCAGGCGGAAGGGAGGGGCCCCGGTCCAGTTCGCCACATGTACTCCACCCGACGGCC  
 ACTGCGCTCCATGGCACTGGTGTCTCCGCGACTTCTCAGGCTTCCAGTCCACCGTCCCGCACCACC  
 GTGTGCGCGCTCAGCGAGGCGGACCTATTGAGTTCCCTGCGACCGCTTCATGGACAGCTCCGGTGGT  
 GGACCGGTGCGAGCTTGGGCGGGAGGACCACCTCTTCAAAGATTTGCTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211970 representing NM\_001034010  
Red=Cloning site Green=Tags(s)

MEGVGAVRFWL VCGCLAFPPRAESVCPERCDCQHPQHLLCTNRGLRAVPKTSSLPSPQDVL TYSLGGNF  
ITNITAFDFHRLGQLRRDLQYNQIRSLHPKTFEKL SRLEEL YLGNLLQALAPGTLAPLRKLRILYANG  
NEIGRLSRGSFEGLES LVKLRLDGNV LGALPDAVFAPLGNLLYLHLEANRIRFLGKNAFTQLGKLRFLNL  
SANELQPSLRHAATFVPLRSLSTLILSANS LQHLGPRVFQHL PRLGLLSL SGNQLTHLAPEAFWGLEALR  
ELRLEGNRLNQLPLTLLLEPLHSLEALDLSGNE LSALHPATFGHQGR LRELSL RDNAL SALSGDIFAASPA  
LYRLDL DGNWGTCDRLRGLKRWMGNWHSQGRLLTVFVQCRHPPALRGKYL DYLDQQLQNGSCVDPSPS  
PTAGSRQWPISTAPGEGMTPPAGLAQELPLQPQPQQRGRLLPGVAWAGAAKELVGNRSALRLNRRGPG  
LQHQS PAAAAASGAPQSLDLHEKPERGRPTRANLPQTEPTPTSEPASGTPSARDSWQRAAKQRLASEQQ  
GRAVQYDSGVGLPPLVSDPCDFNKFILCNLTVEAVSANSASVRWAVREHRSRPPQGGARFRLLFDRFGQQ  
PKFQRFVYLPERSDSATLHEL RGDTPYLVCVEGVLGGRVCPVAPRDHCAGLVTLP EAGGRGGVDYQLLTL  
VLLAINALLVLLALAAWGSRWLRRKLRARRKGGAPVHVRHMYSTRRPLRSMGTGVSADFSGFQSHRPRTT  
VCALSEADLIEFPCDRFMDSSGGTGGSLRREDHLLQRFAD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001034010

ORF Size: 2433 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\\_001034010.1](#), [NP\\_001029182.1](#)

**RefSeq Size:** 4859 bp

**RefSeq ORF:** 2436 bp

**Locus ID:** 362364

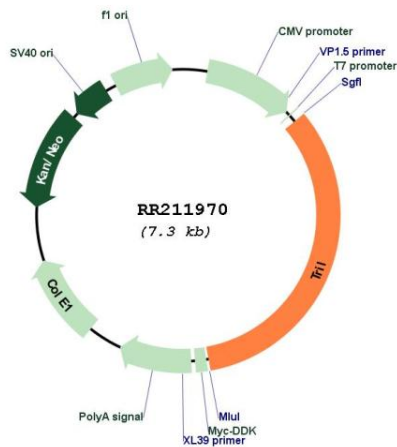
**UniProt ID:** [Q49672](#)

**Cytogenetics:** 4q24

**MW:** 89.1 kDa

**Gene Summary:** Component of the TLR4 signaling complex. Mediate the innate immune response to bacterial lipopolysaccharide (LPS) leading to cytokine secretion and the inflammatory response (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RR211970