

Product datasheet for **RN211970**

Tril (NM_001034010) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN211970 representing NM_001034010
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGGTGTGGGCGCCGTGCGCTTCTGGCTCGTGGTGTGCGGTCGCTGGCTTCCCGCCGGGCGCC
 AGTCGGTGTGCCGAGCGCTGCGACTGCCAGCACCCAGCATCTCCTGTGCACCAACAGGGGCTTCG
 CGCGGTGCCAAGACCAGCTCGCTGCTAGTCCCAGGACGTGCTCACCTACAGCCTAGGCGGCAACTTC
 ATCACCAACATCACCGCTTCGACTTCCATCGCTGGGGCAGCTCAGACGGCTGGATCTGCAGTACAACC
 AGATCCGCTCTCCACCCCAAGACCTTCGAGAAGCTCTCCAGACTAGAGGAGCTGTACCTGGGGAACAA
 CCTTTGACGGCGCTCGCTCCTGGCACGTTGGCCCCGCTGCGCAAATTGCGCATCCTTTACGCCAACGGT
 AACGAGATTGGACGCTGAGTCGCGCTCCTTCGAGGGCTGGAGAGTCTAGTCAAGCTACGGCTGGACG
 GGAACGTGCTGGGAGCGCTGCCGACGCGGTCTTCGCTCCTCTGGGCAACCTGCTCTACCTACATCTGGA
 GGTAACCGGATCCGCTTTTGGGCAAGAAGCGCTTACCCAGCTGGGTAAAGCTTCGATTCTCAATCTC
 TCTGCCAACGAGCTGCAACCCTCTCTGCGGCACGCGGCCACCTTTGTCCCTCTGCGCTCCCTCTCTACTC
 TCATCCTCTCTGCCAACAGCCTGCAGCACCTAGGCCCCCGCTTTCAGCACCTGCCACGCTAGGCCCT
 GCTCTCCCTCAGCGGCAACCAGCTCACCCACCTCGCCCCAGAGGCCTTCTGGGGGCTGGAGGCCCTGCGT
 GAGCTGCGCTGGAAGGCAACCGGCTGAACCAGCTGCCCTGACCCTGCTGGAGCCTCTGCACAGCTTGG
 AAGCACTAGATCTGAGCGGCAATGAGCTTTCTGCTCTGCATCCCGCCACCTTTGGCCACCAAGGCCGCT
 ACGTGAGCTCAGCTGCGGACAATGCGCTCAGCGCCCTTCTGGAGACATCTTCGCCCGCAGTCCGGCT
 CTCTACCGGTAGATCTAGACGGCAACGGTTGGACCTGCGACTGCCGTTGCGGGGTCTGAAACGCTGGA
 TGGCAACTGGCATTCTCAGGTGCGCTCCTTACGGTCTTCGTGCAGTGTGCGCACCCCGCCGCTGCG
 GGGCAAGTACCTGGATTACCTGGATGACCAACTGCTGCAGAATGGGTCTTGCCTGGATCCCTCCCTTCC
 CCTACAGCAGGCAAGTAGGCAAGTGGCCGATATCCACTGCGCCAGGGGAGGGGATGACGCCCCCTGCAGGTC
 TCGCGCAGGAGCTGCCACTGCAGCCACAGCCGAGCCCCAGCAGCGGGGAGACTTCTACCAGGAGTGGC
 CTGGGCTGGGGTGCCAAGGAGCTGGTGGGCAACCGCAGCGCATTAAAGTTGAACCGCGGGGTCCAGGC
 CTGCAGCATCAGAGCCCCTCTGCCGCTGCTGCTCGGGTCTGCCCCACAGTCTTGGACCTGCACGAGA
 AGCCAGAGCGAGGACGTCCACCCGAGCAAATCTCCCCAGACGGAGCCACCCGACGCTGAGCCCGC
 CTCTGGGACACCATCTGCCAGAGACAGCTGGCAGCGCGCAGCAAAGCAGCGCCTCGCTTACAGCAGCAA
 GGGCGTGCCGTCCAGTACGATAGTGGCGTGGCTTCCACCTCTGGTGTCTGACCCTGTGACTTCAATA
 AATTCATTCTATGCAACCTGACCGTAGAGGCAGTGAAGCGCAACAGCGCCTCGGTGCGCTGGGCCGTTCCG
 AGAGCATCGCAGTCCCCGGCCGAGGGCGGCGCAGCTTCCGCCTGCTTTTCGATCGCTTTGGCCAGCAG
 CCCAAGTTCAGCGCTTTGTCTACCTGCCAGAAGCAGCGACTCGGCCACGCTGCACGAGCTGCGCGGAG
 ACACCCGTACCTAGTGTGCGTGGAGGGCGTCTCGGGGTCGCGTTTGGCCCGTGGCCCCCGAGACCA
 CTGCGCAGGGTGGTAACCTGCCAGAGGCAAGGAGGTAGAGGTGGCGTGGACTACCAGCTACTGACCTTG
 GTCTTGTGGCTATCAACGCGCTGCTGGTGTCTCCTGGCACTGGCGGCTGGGGATCCCGATGGCTGAGGA
 GGAAGCTGCGTGGCAGGCGGAAGGGAGGGGCCCCGGTCCAGTTCGCCACATGTACTCCACCCGACGGCC
 ACTGCGCTCCATGGCACTGGTGTGTCGCGGACTTCTCAGGCTTCCAGTCCAGTCCACCGTCCCCGCACCACC
 GTGTGCGCGCTCAGCGAGGCGGACCTATTGAGTTCCCTGCGACCGCTTTCATGGACAGTCCGGTGGTG
 GGACCGGTGCGAGCTTGGGCGGGAGGACCACCTTTCGAAAGATTTGCTGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001034010
Insert Size: 2436 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:	<ol style="list-style-type: none">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:	<u>NM_001034010.1</u> , <u>NP_001029182.1</u>
RefSeq Size:	4859 bp
RefSeq ORF:	2436 bp
Locus ID:	362364
UniProt ID:	<u>Q49672</u>
Cytogenetics:	4q24
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]