

## Product datasheet for **RC201423**

### TRIM9 (NM\_052978) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM9 (NM_052978) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM9
Synonyms:	RNF91; SPRING
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC201423 representing NM\_052978  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGAGATGGAAGAGGAGTTGAAATGCCCCGTGTGCGGCTCCTTCTATCGGGAGCCCATCATCCTGC  
 CCTGCTCTCACAATTTGTGTGAGGCGTGCGCCCGCAACATCCTGGTGCAGACCCAGAGTCTGAATCCCC  
 CCAGAGCCATCGGGCCGCGGGCTCCGGGTCTCCGACTATGACTATCTGGACCTGGACAAGATGAGCCTA  
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGGGGTTTCGCCAGCGCCCCACTACCCCGTCCAGA  
 AGTCCCCAACGGCGTCCGCGTGTTCGCCCGGCTATGCCGCCACCGGCCACCCACTTGTACCGGCCCT  
 GGCCCCGTGCCCGCAACTCCTGTATCACCTGCCCCAGTGTACCCGACGCTCATCCTGGATGACCGG  
 GGGCTCCGCGGCTCCCCAAGAATCGCGTACTGGAAGGGTAATTGACCGCTACCAGCAGAGCAAAGCCG  
 CGGCCCTCAAGTCCAGCTCTGCGAGAAGGCGCCAAGGAAGCCACCGTCATGTGCGAACAGTGCATGT  
 CTTCTACTGCGATCCGTGCCGCTGCGTGCACCCGCCCCGGGGCCCCCTAGCCAAGCACCGCCTGGTG  
 CCCCCGCCAGGGTCTGTGAGCCGGAGGCTGAGCCACGCAAGGTCTCCACCTGCACAGACCACGAGC  
 TGGAGAACCACAGCATGTACTGCGTGCAATGCAAGATGCCCGTGTGTACCAGTGCTGGAGGAGGGCAA  
 ACACTCCAGCCACGAAGTCAAGGCTCTGGGGGCCATGTGAAACTACATAAGAGCCAGCTCTCCAGGCG  
 CTGAACGGACTGTGAGACAGGGCCAAAGAAGCCAAGGAGTTTCTGGTACAGCTGCGCAACATGGTCCAGC  
 AGATCCAGGAGAACAGTGTGGAGTTTGAAGCCTGTCTGGTGGCCCAATGTGATGCCCTCATCGATGCCCT  
 CAACAGAAGAAAAGCCAGCTGCTGGCCCGCTCAACAAGGAGCATGAGCACAAGCTGAAGTGGTTTGA  
 GATCAGATCTCTACTGCACAGTAAATGCGCCAGACCAGGTCTCATGGAGTACTGCTGGAGGTGA  
 TTAAGGAAAATGATCCTAGTGGTTTTTTGCGAGTTTCTGACGCCCTCATAAGAAGAGTGCACCTGACTGA  
 GGATCAGTGGGGTAAAGGCACACTCACTCAAGGATGACCACGGACTTTGACTTGAGTCTGGACAACAGC  
 CCTCTGCTGCAATCCATCCACCAGCTGGATTCGTGCAAGTAAAAGCTTCTCTCCAGTCCAGCAACCC  
 CTATCCTACAGCTGGAGGAATGTTGTACCCACAACAACAGCGCTACGTTGTCTGGAAACAGCCACCTCT  
 GTCCACGGTGCCCGCGATGGATACATTCTGGAGCTGGATGATGGCAACGGTGGTCAATCCGGGAGGTG  
 TATGTGGGAAGGAGACAATGTGCACTGTGGATGGTCTTCACTTCAACAGCACATAACAACGCTCGGGTCA  
 AGGCCTTCAACAAAACAGGAGTCAAGCCGTACAGCAAGACCCTGGTCTCCAAACGCTGAGGGTAAGGC  
 CCTTCAGCAGTATCCCTCAGAGCGAGAAGTCCGTTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201423 representing NM\_052978  
 Red=Cloning site Green=Tags(s)

MEEMEEELKCPVCGSFYREPIILPCSHNLQACARNILVQTPESQSHRAAGSGVSDYDYLDDKMSL  
 YSEADSGYGSYGGFASAPTPCQKSPNGVRVFPAMPPPATHLSPALAPVPRNSCITCPQCHRSLILDDR  
 GLRGFPKNRVLEGVIDRYQQSKAAALKCQLCEKAPKEATVMCEQCDVFYCDPCRLRCHPPRGLAKHRLV  
 PPAQGRVSRRLSPRKVSTCTDHELENHSMYCVQCKMPVCYQCLEEGKSSHEVKALGAMWKLHKSLSQA  
 LNGLSDRAKEAKEFLVQLRNMVQQIQENSVEFEACLVAQCDALIDALNRRKAQLLARVNKEHEHKLKVVR  
 DQISHCTVKLRQTTGLMEYCLEVIKENDPSGFLQISDALIRRVHLEDQWKGKTLTPRMTDFDLSDNS  
 PLLQSIHQLDVQVQKASSPVPATPILQLEECCTHNNSATLSWKQPPLSTVPADGYILELDDGNGGQFREV  
 YVGKETMCTVDGLHFNSTYNARVKAFNKTVSPYSKTLVLQVTEGKALQQYPSERELRGI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mg2876\\_f07.zip](https://cdn.origene.com/chromatograms/mg2876_f07.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_052978

**ORF Size:** 1650 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\\_052978.4](#)

**RefSeq Size:** 4017 bp

**RefSeq ORF:** 1653 bp

**Locus ID:** 114088

**UniProt ID:** [Q9C026](#)

**Cytogenetics:** 14q22.1

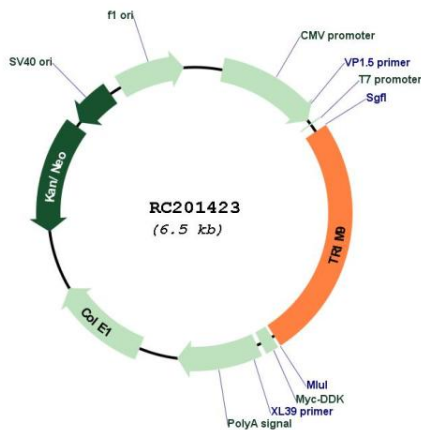
**Domains:** zf-B\_box, BBC, FN3

**Protein Families:** Druggable Genome

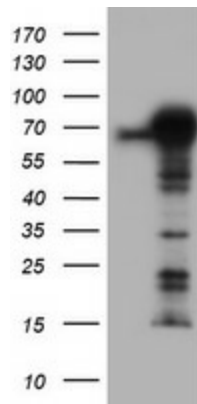
**MW:** 61.2 kDa

**Gene Summary:** The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. Its function has not been identified. Alternate splicing of this gene generates two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

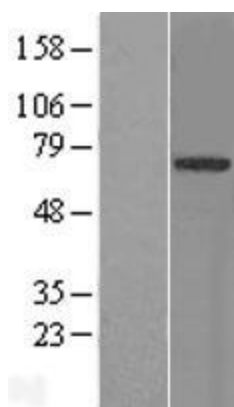
**Product images:**



Circular map for RC201423



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRIM9 (Cat# RC201423, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRIM9 (Cat# [TA800044]). Positive lysates [LY409342] (100ug) and [LC409342] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY409342]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201423 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).