

Product datasheet for **RC201916**

TRIM29 (NM_012101) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM29 (NM_012101) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM29
Synonyms:	ATDC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC201916 representing NM_012101
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCTGCAGATGCCTCCAGGAGCAACGGGTCGAGCCAGAAGCCAGGGATGCCCGGAGCCCGTCGG
 GCCCAGTGGCAGCCTGGAGAATGGCACCAAGGCTGACGGCAAGGATGCCAAGACCACCAACGGGCACGG
 CGGGGAGGCAGCTGAGGGCAAGAGCCTGGGCAGCGCCCTGAAGCCAGGGGAAGGTAGGAGCGCCCTGTT
 GCGGGCAATGAGTGGCGGCACCCATCATCCAGTTTGTGAGTCCGGGGACGACAAGAATCCAACACTACT
 TCAGCATGGACTCTATGGAAGGCAAGAGGTGCGCTACGCAGGGCTCCAGCTGGGGGCTGCCAAGAAGCC
 ACCCGTTACCTTTGCCGAAAAGGGCGAGCTGCGCAAGTCCATTTTCTCGGAGTCCCGGAAGCCACGGTG
 TCCATCATGGAGCCCGGGGAGACCCGGCGAACAGCTACCCCGGGCCGACACGGGCCTTTTTTACGGT
 CCAAGTCCGGCTCCGAGGAGGTGCTGTGCGACTCTGCATCGGCAACAAGCAGAAGGCGGTCAAGTCTG
 CCTGGTGTCCAGGCCTCTTCTGCGAGTGCATCTAAGCCCCACCTGGAGGGCGCCGCTTCCGAGAC
 CACCAGCTGCTCGAGCCATCCGGGACTTTGAGGCCCGCAAGTGTCCCGTGCATGGCAAGACGATGGAGC
 TCTTCTGCCAGACCGACACAGACTGCATCTGCTACCTTTGCATGTTCCAGGAGCACAAGAATCATAGCAC
 CGTGACAGTGGAGGAGCCAAGGCCGAGAAGGAGACGGAGCTGTCACTGCAAAAGGAGCAGCTGCAGCTC
 AAGATCATTGAGATTGAGGATGAAGCTGAGAAGTGGCAGAAGGAGAAGGACCGCATCAAGAGCTTACCA
 CCAATGAGAAGGCCATCCTGGAGCAGAACTCCGGGACCTGGTGCAGGACCTGGAGAAGCAAAAGGAGGA
 AGTGAGGGCTGCCTGGAGCAGCGGGAGCAGGATGCTGTGGACCAAGTGAAGGTGATCATGGATGCTCTG
 GATGAGAGAGCCAAGGTGCTGCATGAGGACAAGCAGACCCGGGAGCAGCTGCATAGCATCAGCGACTCTG
 TGTGTTTCTGCAGGAATTTGGTGCATTGATGAGCAATTACTCTCTCCCCCACCCTGCCACCTATCA
 TGTCTGCTGGAGGGGGAGGGCCTGGGACAGTCACTAGGCAACTCAAGGACGACCTGCTCAATGTATGC
 ATGCGCCACGTTGAGAAGATGTGCAAGGCGACCTGAGCCGTAACCTTATTGAGAGGAACACATGGAGA
 ACGGTGGTGACCATCGCTATGTGAACAACACACGAACAGCTTCGGGGGTGAGTGGAGTGCACCGGACAC
 CATGAAGAGATACTCCATGTACCTGACACCCAAAGGTGGGGTCCGGACATCATACCAGCCCTCGTCTCT
 GGCCGCTTACCAAGGAGACCACCCAGAAGAATTTCAACAATCTCTATGGACCAAAAGGTAACACACT
 CCCGGTCTGGGAGTACTCCTCCAGCATTGAGAACTCTGACAATGACCTGCCCGTCTCAAGGCAGCTC
 CTCCTTCTCCCTGAAAGGCTATCCCTCCCTCATGCGGAGCCAAAGCCCCAAGGCCAGCCCAGACTTGG
 AAATCTGGCAAGCAGACTATGCTGTCTACTACCGGCCATTCTACGTCAACAAAGGCAACGGGATGGGT
 CCAACGAAGCCCA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201916 representing NM_012101
 Red=Cloning site Green=Tags(s)

MEAADASRSNGSSPEARARSPPSGPSGLENLTKADGKDAKTTNGHGGEAAEGKSLGSALKPGEGRSALF
 AGNEWRRPIIQFVESGDDKNSNYFSMSMEGKRSPYAGLQLGAAKPPVTFAEKGELRKSIFSESARKPTV
 SIMEPGETRRNSYPRADTGLFSRSKSGSEEVLCDSICGNKQKAVKSCSLVCQASFCELHLKPHLEGAAFRD
 HQLLEPIRDFEARKCPVHGKTMELFCQTDQTCICYLCMFQEHKNHSTVTVEEAKAEKETELSLQKEQLQL
 KIIIEIEDEAEKWQKEKDRIKSFTTNEKAILQNFRLVRDLEKQKEEVRAALEQREQDAVDQVQVIMDAL
 DERAKVLHEDKQTRQLHSISDSVLFLEFGALMSNYSLPPPLPTYHVLLLEGEGLGQSLGNFKDLDLNV
 MRHVEKMCKADLSRNFIERNHMENGDRHYVNNYTNSTFGGEWSAPDTMKRYSMYLTPKGGVRTSYQPSSP
 GRFTKETTKQNFNLYGTKGNYTSRVWEYSSSIQNSDNDLPVVQGSSSFSLKGYPMLMRSQSPKAQPQTW
 KSGKQTMLSHYRPFYVKNKGIGSNEAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2901_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012101

ORF Size: 1764 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_012101.2](#), [NP_036233.2](#)

RefSeq Size: 3037 bp

RefSeq ORF: 1767 bp

Locus ID: 23650

UniProt ID: [Q14134](#)

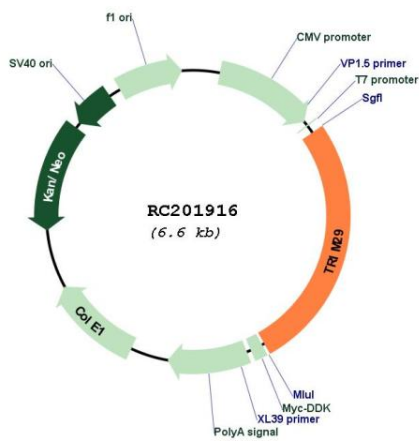
Cytogenetics: 11q23.3

Protein Families: Transcription Factors

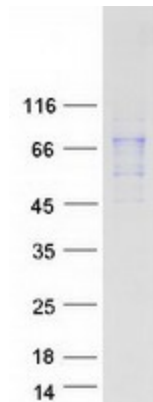
MW: 65.8 kDa

Gene Summary: The protein encoded by this gene belongs to the TRIM protein family. It has multiple zinc finger motifs and a leucine zipper motif. It has been proposed to form homo- or heterodimers which are involved in nucleic acid binding. Thus, it may act as a transcriptional regulatory factor involved in carcinogenesis and/or differentiation. It may also function in the suppression of radiosensitivity since it is associated with ataxia telangiectasia phenotype. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC201916



Coomassie blue staining of purified TRIM29 protein (Cat# [TP301916]). The protein was produced from HEK293T cells transfected with TRIM29 cDNA clone (Cat# RC201916) using MegaTran 2.0 (Cat# [TT210002]).