

Product datasheet for **RC205383**

TRIM23 (NM_001656) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM23 (NM_001656) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM23
Synonyms:	ARD1; ARFD1; RNF46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205383 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTACCTGGTTGTAACAAGCTCGGAGCGGGAGTAGACAGTGGCCGGCAGGCAGCCGGGGACAG
 CTGTAGTGAAGGTGCTAGAGTGTGGAGTTTGTGAAGATGTCTTTCTTTGCAAGGAGACAAAGTTCCCGG
 TCTTTTGCTTTGTGGCCATACCGTCTGTCTACTGCTCACTCGCTACCTCTTCATGGAAGAGCAATC
 CGTTGCCCATTTGATCGACAAGTAAACAGACCTAGGTGATTCAGGTGTCTGGGGATTGAAAAAATTTTG
 CTTTATTGGAGCTTTTGAACGACTGCAGAATGGGCCTATTGGTCAGTATGGAGCTGCAGAAGAATCCAT
 TGGGATATCTGGAGAGAGCATCATTGTTGTGATGAAGATGAAGCTCACCTTGCCTCTGTATATTGCACT
 GTGTGTGCAACTCATTTGTCTCTGAGTGTCTCAAGTACTCATTCTACAAAGACATTAGCAAAGCACA
 GCGGATTCCTCTAGCTGATAAACCTCATGAGAAAATATGTGCTCTCAGCACCAGGTGCATGCCATTGA
 GTTTGTTTGTGTTGAAGAAGTTGTCAAAGTACCCACTCATGTGCTGTGCTGCAAAGAATATGAAAA
 CACCAGGGTACAAAGCATTAGTATTGGAACCAGAAGCTAATCAGATCCGAGCATCAATTTTAGATATGG
 CTCACTGCATACGGACCTTCACAGAGGAAATCTCAGATTATCCAGAAAATTAGTTGGAATTGTGCAGCA
 CATTGAAGGAGGAGAACAATCGTGAAGATGGAATTGGAATGGCTCACACAGAACATGTACCAGGGACT
 GCAGAGAATGCCCGGTATGATTCGAGCTATTTTATGATCTACATGAAACTCTGTGTCGCAAGAAG
 AAATGGCTCTAAGTGTGTTGATGCTCATGTTGTTGAAAATTTGTTGGCTCAGGCAGCAACAAGAAGA
 TATGACTATTTGTTGTGAGAGTTTCTGCAGCCTGCCTCCACTGTGAAAAGACTTTGCAGCAGGATGAT
 TGTAGAGTTGTCTTGGCAAAACAGGAAATACAAGTTACTGAAAACATTGCAGAAACAGCAGCAGCAGT
 TTACAGAAGTTGCAGATCACATTCAGTTGGATGCCAGCATCCCTGTCATTTTACAAAGGATAATCGAGT
 TCACATTGGACCAAAAATGGAATTCGGGTCGTTACGTTAGGATTGGATGGTGTGGAAAAACTACTATC
 TTGTTTAAAGTAAAACAGGATGAATTCATGCAGCCATTCCAACAATTGTTTTAACGTGAAAACGTGAG
 AATATAAAAATCTAAAATCACTATTTGGGATGTAGGTGAAAACACAAATTAAGACCATTGTGAAAACA
 TTATTACCTCAATACTCAAGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
 CACAGCGAACTTGCAAAGTTGTTAACGGAAAAAGAACTCCGAGATGCTCTGCTCTGATTTTTGCTAACA
 AACAGGATGTTGCTGGAGCACTGTCAGTAGAAGAAATCACTGAACTACTCAGTCTCCATAAATTATGCTG
 TGGCCGTAGCTGGTATATTCAGGGCTGTGATGCTCGAAGTGGTATGGGACTGTATGAAGGTTGGACTGG
 CTCTCACGGCAACTGTAGCTGCTGGAGTATTGGATGTTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205383 protein sequence
 Red=Cloning site Green=Tags(s)

MATLVVVKLGAGVDSGRQGSRGTA VVKVLECGVCEVDFSLQGDKVPRLLLCGHTVCHDCLTRLPLHGRAI
 RCPFDRQVTDLDGDSGVWGLKKNFALLELLERLQNGPIGQYGAEEESIGISGESIIRCEDEAHLASVYCT
 VCATHLCECSQVTHSTKTLAKHRRVPLADKPHEKTMCSQHQVHAIEFVCL EEGCQTSPLMCCVCKEYK
 HQGHKHSVLEPEANQIRASILDMAHCIRTFTTEEISDYSRKL VGI VQHIEGGEQIV EDGIGMAHTEHVP
 AENARSCIRAYFYDLHETLCRQEEMALSVVDAHVREKLIWLRQQQEDMTILLSEVSAACLHCEKTLQDD
 CRVVLAKQEITRLLLETLQKQQQFTEVADHIQLDASIPVTF TKDNRVHIGPKMEIRVVTLGLDGAGKTTI
 LFKLKQDEFMQPIPTIGFNVETVEYKNLKF TIWVGGKHKLRPLWKHYLNTQAVVVFVVDSSHRDRISEA
 HSELAKLLTEKELRDALLLIFANKQDVAGAL SVEEITELLSLHKLCCGRSWYIQGCDARSGMGLYEGLDW
 LSRQLVAAGVLDVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6313_c12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001656

ORF Size: 1722 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_001656.4](#)

RefSeq Size: 3914 bp

RefSeq ORF: 1725 bp

Locus ID: 373

UniProt ID: [P36406](#)

Cytogenetics: 5q12.3

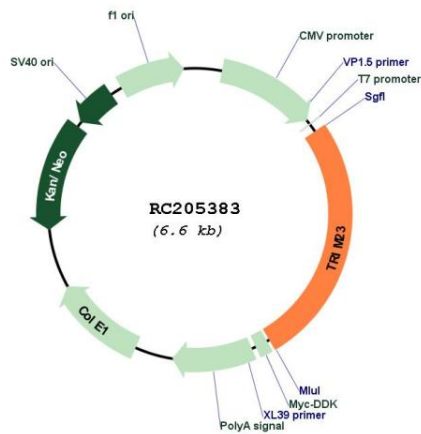
Domains: zf-B_box, RING, RAB, BBC, SAR, ARF, arf

Protein Families: Druggable Genome

MW: 64.1 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. This protein is also a member of the ADP ribosylation factor family of guanine nucleotide-binding family of proteins. Its carboxy terminus contains an ADP-ribosylation factor domain and a guanine nucleotide binding site, while the amino terminus contains a GTPase activating protein domain which acts on the guanine nucleotide binding site. The protein localizes to lysosomes and the Golgi apparatus. It plays a role in the formation of intracellular transport vesicles, their movement from one compartment to another, and phospholipase D activation. Three alternatively spliced transcript variants for this gene have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205383