

Product datasheet for **RC212620**

TRIM43 (NM_138800) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM43 (NM_138800) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM43
Synonyms:	TRIM43A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC212620 representing NM_138800
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCAGACTTCTCACATGCCTTCCAGAAGGAACTCACCTGCGTCATCTGTTTGAACACTACCTGGTAG
 ACCCTGTACCATCTGCTGTGGGCACAGCTTCTGTAGGCCTGTCTGCCTTTCTGTTGGAGGAAGCCCA
 AAGTCCTGCAAACTGCCCTGCATGCAGGGAACCATCACGAAAATGGACTTCAAAACCAATATTCTTCTG
 AAGAATTTAGTGACCATTTGCCAGAAAAGCCAGTCTCTGGCAATTCCTGAGCTCTGAGAAACAAATATGTG
 GGACCCATAGGCAAAACAAAGAAGATGTTCTGTGACATGGACAAGAGTCTCCTCTGCTTGTGTCTCCAA
 CTCTCAGGAGCACGGGGCTCACAAACACCATCCCATCGAAGAGGCAGCTGAGGAACACGGGAGAAACTC
 TTAAGCAAAATGAGGATTTTATGAAAAAGATTCAAGAAAATCAGAGAAATCTATATGAGGAGGGAAGAA
 CAGCCTTCTCTGAGGGGCAATGTGGTTTACGGGCACAGATGATCAGGAATGAGTATAGGAAGCTGCA
 TCCGGTTCTCCATAAGGAAGAAAAACAACATTTAGAGAGACTGAACAAGGAATACCAAGAGATTTTTCAG
 CAACTCCAGAGAAAGTTGGGTCAAAATGGATCAAAAGAGTAAACACTTGAAAGAAATGTATCAGGAACTAA
 TGGAAATGTGTCATAAACAGATGTGGAGCTGCTCCAGGATTTGGGAGACATCGTGGCAAGGAGTGAGTC
 CGTGCTGCTGCACATGCCCCAGCCTGTGAATCCAGAGCTCACTGCAGGACCCATCACTGGACTGGTGATC
 AGGCTCAACCGCTTCCGAGTGGAATTTCTTCCATTTTGAAGTAACCAATCACAAATACAGGCTCTTTG
 AGGATGTGAGAAGTTGGATGTTTAGACGTGGACCTTTGAATCTGACAGATCTGACTATTTTGCTGCATG
 GGGAGCCAGGGTCTTCTCTTTGGGAAACACTACTGGGAGCTGGATGTGGACAACCTTTGTGACTGGGCT
 CTGGGAGTCTGTAACTCCTGGATAATCATTTCAATCTTTGACCACCTCCCCAGTGTTCCTCACTACATAGA
 TTTTGTCTGAAGGTGGATAATCATTTCAATCTTTGACCACCTCCCCAGTGTTCCTCACTACATAGA
 GAAACCTCTGGGCGGGTTGGTGTGTTTCTTGTATTTTGAAGTGGAAGTGTGAGTTTTTTGAATGTCAAC
 AAGAGTTCCTCATATGGAGTTACCCAGCTGGCTCCTTAACTTTTCTGTGAGGCCTTTCTTTTACTG
 GCCACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212620 representing NM_138800
 Red=Cloning site Green=Tags(s)

MSDFSFAFQKELTCVICLNYLVDPTICCGHSFCRPCLCLSWEEAQSPANCPACREPSPKMDFKTNILL
 KNLVTIARKASLWQFLSSEKQICGTHRQTKMFCMDKSLCLLCSNSQEHGAHKHPIEEAAEEHREKL
 LKQMRILWKKIQENQRNLYEEGRTAFLWRGNVVLRAQMIRNEYRKLHPVLHKEEKQHLERLNKEYQEIQ
 QLQRSWVKMDQSKHLKEMYQELMEMCHKPDVELLQDLGDIVARSESVLLHMPQPVNPELTAGPITGLVY
 RLNRFRVEISFHFVETNHNIRLFEDVRSWMFRRGPLNSDRSDYFAAWGARVFSFGKHYWELDVNSCDWA
 LGVCNNSWIRKNSTMVNSIEDIFLLCLKVDNHFNLLTSPVFPHYIEKPLGRVGVFLDFESGSVSFLNVT
 KSSLIWSYPAGSLTFPVRPFYTGHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2876_a01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_138800

ORF Size: 1338 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_138800.3](#)

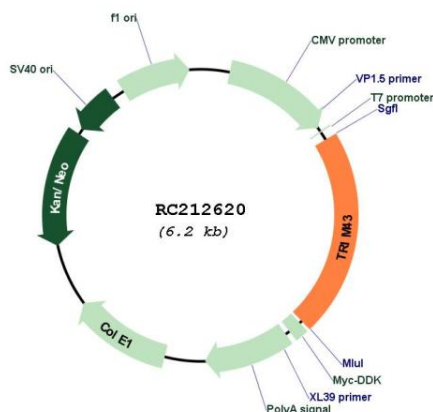
RefSeq Size: 1642 bp

RefSeq ORF: 1341 bp

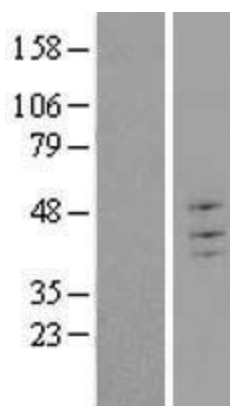
Locus ID: 129868

UniProt ID: [Q96BQ3](#)
 Cytogenetics: 2q11.1
 Protein Families: Druggable Genome
 MW: 52.1 kDa

Product images:



Circular map for RC212620



Western blot validation of overexpression lysate (Cat# [LY408486]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212620 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).