

Product datasheet for **RC208564**

TRIM16 (NM_006470) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM16 (NM_006470) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM16
Synonyms:	EBBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208564 representing NM_006470
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGAGTTGGATCTAATGGCTCCAGGGCCACTGCCAGGGCCACTGCTCAGCCCCAGCCCCTCTCA
 GCCCAGACTCTGGGTACCCAGCCAGATTCTGGGTGAGCCAGCCAGTGGAAAGAAGAGGACGTGGGCTC
 CTCGGAGAAGCTTGGCAGGGAGACGGAGGAACAGGACAGCGACTCTGCAGAGCAGGGGGATCCTGTGTT
 GAGGGGAAAGAGGTCTGTGTGACTTCTGCCTTGATGACACCAGAAGAGTGAAGGCACTGAAGTCTGTCT
 TAACCTGCATGGTGAATTACTGTGAAGAGCACTTCAGCCGCATCAGGTGAACATCAAAGTCAAAGCCA
 CCTGTGACCCAGCCAGTGAAGGACCACAACCTGGCGATACTGCCCTGCCACCACAGCCCACTGTCTGCC
 TTCTGCTGCCCTGATCAGCAGTGCATCTGCCAGGACTGTTGCCAGGAGCACAGTGGCCACACCATAGTCT
 CCCTGGATGCAGCCCGCAGGGACAAGGAGGCTGAACTCCAGTGCACCCAGTTAGACTTGGAGCGGAACT
 CAAGTTGAATGAAAATGCCATCTCCAGGCTCCAGGCTAACCAAAAGTCTGTTCTGGTGTCCGGTGTGAGAG
 GTCAAAGCGGTGGCTGAAATGCAGTTTGGGGAACCTCTTGTGCTGTGAGGAAGGCCAGGCCAATGTGA
 TGCTCTTCTTAGAGGAGAAGGAGCAAGCTGCGCTGAGCCAGGCCAACGGTATCAAGGCCACCTGGAGTA
 CAGGAGTCCCAGATGGAGAAGGACAAGCAGGAGCTGGAGAGGATGGCGGCCATCAGCAACTGTCCAG
 TTCTTGGAGGAGTACTGCAAGTTAAGAACAAGTGAAGACATCACCTTCCCTAGTGTTCAGTGGGCTGA
 AGGATAAACTCTCGGGCATCCGCAAAGTTATCACGGAATCCACTGTACACTTAATCCAGTTGCTGGAGAA
 CTATAAGAAAAAGCTCCAGGAGTTTTCCAAGGAAGAGGAGTATGACATCAGAAGTCAAGTGTCTGCCGTT
 GTTCAGCGCAAAATATTGGACTTCCAACCTGAGCCAGCACCAGGGAACAGTTCTCCAATATGCGTATG
 ACATACAGTTTGACCCGGACACAGCACACAAGTATCTCCGGCTGCAGGAGGAGAACCAGGTCACCAA
 CACCACGCCCTGGGAGCATCCCTACCCGACTCCCGCAGCAGGTTCTGCACTGGCGGCAGGTGCTGTCC
 CAGCAGAGTCTGTACCTGCACAGGTAATTTTTGAGGTGGAGATCTTCCGGGCAGGCACCTATGTTGGCC
 TGACCTGCAAAGGCATCGACCGAAAGGGAGGAGCGCAACAGTTGCATTTCCGGAACAACCTTCTCCTG
 GAGCCTCCAATGGAACGGGAAGGAGTTCACGGCCTGGTACAGTGCATGGAGACCCCACTCAAAGCTGGC
 CCTTCCGGAGGCTCGGGGTCTATATCGACTTCCCGGAGGGATCCTTTCCTTCTATGGCGTAGAGTATG
 ATACCATGACTCTGGTTCACAAGTTTGCCTGCAAATTTTCCAGAACAGTCTATGCTGCCTTCTGGCTTC
 CAAGAAGGAAAACCCATCCGGATTGTAGATCTGGGAGAGGAACCCGAGAAGCCAGCACCGTCTTGGTG
 GGGACTGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208564 representing NM_006470
 Red=Cloning site Green=Tags(s)

MAELDLMAPGPLPRATAQPPAPLSPDSGSPSPDSGSASPVEEDVGSSEKLGRETEEQSDSDSAEQGDPAG
 EGKEVLCDFCLDDTRRVKAVKSCLTCMVNYCEEHLQPHQVNIKLQSHLLTEPVKDNHWRYPAAHHSPLSA
 FCCPDQQCICQDCCQEHSQHTIVSLDAARRDKEAELQCTQLDLERKLLNENAIISRLQANQKSVLVSVSE
 VKAVAEMQFQFELLAAVRKAQANVMLFLEEKEQAALSQANGIKAHLEYRSAEMEKSQELERMAAISNTVQ
 FLEEYCKFKNTEDITFPSVYVGLKDKLSGIRKVI TESTVHLIQLL ENYKKKLQEF SKEEYDIRTQVSAV
 VQRKYWTSKPEPSTREQFLQYAYDITFDPDTAHKYLRLQEENRKTNTTPWEHPYDLP SRFLHWRQVLS
 QQSLYLHRYFFVEIFGAGTYVGLTCKGIDRKGEERNSCISGNNF SWSLQWNGKEFTAWYSMETPLKAG
 PFRRLLGVYIDFPGLSFGVEYD TMLVHKFACKFSEPVYAAFWSKKENAIRIVDLGEEPEKPAPSLV
 GTAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1621_f12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006470

ORF Size: 1692 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_006470.4](#)

RefSeq Size: 2920 bp

RefSeq ORF: 1695 bp

Locus ID: 10626

UniProt ID: [O95361](#)

Cytogenetics: 17p12

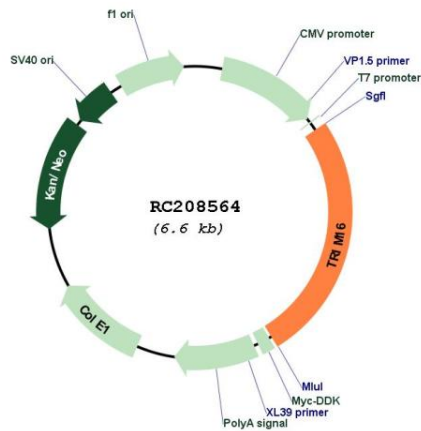
Domains: zf-B_box, SPRY, PRY

Protein Families: Druggable Genome, Transcription Factors

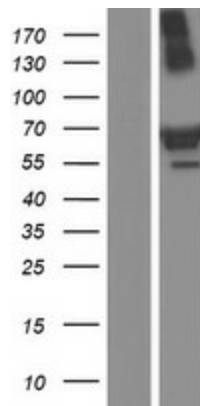
MW: 63.8 kDa

Gene Summary: The protein encoded by this gene is a tripartite motif (TRIM) family member that contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. While it lacks a RING domain found in other TRIM proteins, the encoded protein can homodimerize or heterodimerize with other TRIM proteins and has E3 ubiquitin ligase activity. This gene is also a tumor suppressor and is involved in secretory autophagy. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RC208564



Western blot validation of overexpression lysate (Cat# [LY416622]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208564 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).