

Product datasheet for **RG208564**

TRIM16 (NM_006470) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM16 (NM_006470) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM16
Synonyms:	EBBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208564 representing NM_006470
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGAGTTGGATCTAATGGCTCCAGGGCCACTGCCAGGGCCACTGCTCAGCCCCAGCCCCTCTCA
 GCCCAGACTCTGGGTACCCAGCCAGATTCTGGGTGAGCCAGCCAGTGAAGAAGAGGAGCTGGGCTC
 CTCGGAGAAGCTTGGCAGGGAGACGGAGAACAGGACAGCGACTCTGCAGAGCAGGGGATCCTGTGGT
 GAGGGGAAAGAGGTCTGTGTGACTTCTGCCTTGATGACACCAGAAGAGTGAAGGCACTGAAGTCTGTG
 TAACCTGCATGGTGAATTACTGTGAAGAGCACTTCAGCCGCATCAGGTGAACATCAAATGCAAAGCCA
 CCTGTGACCGAGCCAGTGAAGGACCACAACCTGGCGATACTGCCCTGCCACCACAGCCACTGTCTGCC
 TTCTGCTGCCCTGATCAGCAGTGCATCTGCCAGGACTGTTGCCAGGAGCACAGTGGCCACACCATAGTCT
 CCCTGGATGCAGCCCGCAGGGACAAGGAGGCTGAACTCCAGTGCACCCAGTTAGACTTGGAGCGGAACT
 CAAGTTGAATGAAAATGCCATCTCCAGGCTCCAGGCTAACCAAAAGTCTGTTCTGGTGTCCGGTGTG
 GTCAAAGCGGTGGCTGAAATGCAGTTTGGGGAACCTCTTGTGCTGTGAGGAAGGCCAGGCCAATGTGA
 TGCTCTTCTTAGAGGAGAAGGAGCAAGCTGCGCTGAGCCAGGCCAACGGTATCAAGGCCACCTGGAGTA
 CAGGAGTGCCGAGATGGAGAAGGACAAGCAGGAGCTGGAGAGGATGGCGGCCATCAGCAACTGTCCAG
 TTCTTGGAGGAGTACTGCAAGTTAAGAACACTGAAGACATCACCTTCCCTAGTGTTTACGTAGGGCTGA
 AGGATAAACTCTCGGGCATCCGCAAAGTTATCACGGAATCCACTGTACACTTAATCCAGTTGCTGGAGAA
 CTATAAGAAAAAGCTCCAGGAGTTTTCCAAGGAAGAGGAGTATGACATCAGAACTCAAGTGTCTGCCGTT
 GTTCAGCGCAAATATTGGACTTCCAACCTGAGCCAGCACCAGGGAACAGTTCCCTCAAATATGCGTATG
 ACATACGTTTGACCCGGACACAGCACACAAGTATCTCCGGCTGCAGGAGGAGAACCAGGTCACCAA
 CACCACGCCCTGGGAGCATCCCTACCCGGACCTCCCGCAGCAGGTTCTGCACTGGCGGCAGGTGCTGTCC
 CAGCAGAGTCTGTACCTGCACAGGTAATTTTTGAGGTGAGATCTTCCGGGCAGGCACCTATGTTGGCC
 TGACCTGCAAAGGCATCGACCGAAAGGGAGGAGCGCAACAGTTGCATTTCCGAAACAACTTCTCCTG
 GAGCCTCCAATGGAACGGGAAGGAGTTCACGGCCTGGTACAGTGCATGGAGACCCCACTCAAAGCTGGC
 CCTTCCGGAGGCTCGGGTCTATATCGACTTCCCGGAGGGATCCTTTCCTTCTATGGCGTAGAGTATG
 ATACCATGACTCTGGTTCACAAGTTTGCCTGCAAATTTTTCAGAACAGTCTATGCTGCCTTCTGGCTTC
 CAAGAAGGAAAACCCATCCGGATTGTAGATCTGGGAGAGGAACCCGAGAAGCCAGCACCGTCTTGGTG
 TGACTGCTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208564 representing NM_006470
 Red=Cloning site Green=Tags(s)

MAELDLMAPGPLPRATAQPPAPLSPDSGSPSPDSGSASPVEEEDVGSSEKLGRETEEQSDSAEQGDPAG
 EGKEVLCDFCLDDTRRVKAVKSCLTCMVNYCEEHLQPHQVNIKLQSHLLTEPVKDHNRWYCPAHHSPLSA
 FCCPDQQCICQDCCQEHSGHTIVSLDAARRDKEAELQCTQLDLERKLNENAIISRLQANQKSVLVSVSE
 VKAVAEMQFGELLA AVRKAQANVMLFLEEKEQAAL SQANGIKAHLEYRSAEMEKSKQELERMAAISNTVQ
 FLEEYCKFKNTEDITFPSVYVGLKDKLSGIRKVI TESTVHLIQLL ENYKKKLQEF SKEEYD IRTQVSAV
 VQRKYWTSKPEPSTREQFLQYAYDITFDPDTAHKYLRLQEENRKVTNTTPWEHPYDLP SRFLHWRQVLS
 QQSLYLHRYFFVEIFGAGTYVGLTCKGIDRKGEERNSCISGNNF SWSLQWNGKEFTAWYS DMETPLKAG
 PFRRLLGVYIDFP GGILSFYGV EYD TMTLVHKFACKFSEPVYAAFWSKKENAIRIVDLGEEPEKPAPSLV
 VTAP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_006470.3](#), [NP_006461.3](#)

RefSeq Size: 2920 bp

RefSeq ORF: 1695 bp

Locus ID: 10626

UniProt ID: [O95361](#)

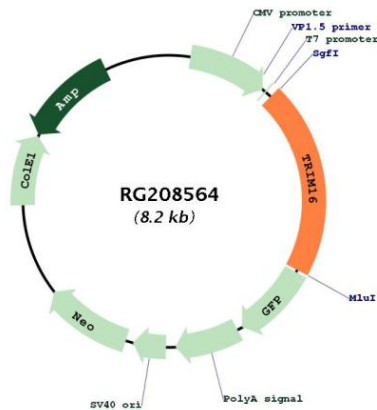
Cytogenetics: 17p12

Domains: zf-B_box, SPRY, PRY

Protein Families: Druggable Genome, Transcription Factors

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 RG208564