

Product datasheet for **RG203607**

TRIM52 (NM_032765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM52 (NM_032765) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM52
Synonyms:	RNF102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203607 representing NM_032765 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGTTATGCCACTACTCCCAGCCCCATGCAGACCCTTCAGGAGGAAGCGGTGTGTGCCATCTGCT
TGGATTACTTCAAGGACCCCGTGTCCATCAGCTGTGGGCACAACCTTGCCGAGGGTGTGTGACCCAGCT
GTGGAGTAAGGAGGACGAGGAGGACCAGAACGAGGAGGAAGATGAATGGGAGGAGGAGGAGGACGAGGAA
GCGGTGGGGGCCATGGATGGATGGGACGGCTCCATTCGAGAGGTGTTGTATCGGGGAATGCTGACGAAG
AGTTGTTCCAAGACCAAGATGACGATGAACTCTGGCTCGGTGACAGTGGTATAACTAATTGGGACAACGT
AGACTATATGTGGGACGAGGAGGAAGAAGAAGAGGAAGATCAGGACTATTACCTAGGAGGCTTGAGA
CCTGACCTGAGAATTGATGTCTACCGAGAAGAAGAAATACTGGAAGCATACGATGAGGACGAAGATGAAG
AGCTGTATCCTGACATCCACCCGCTCCTTCCTTGCCCCCTTCAGGGCAGTTCACCTGCCCCAGTGCCG
AAAGAGCTTTACACGTCGACGCTTTCGTCCCACTTGACGCTGGCCAACATGGTCCAGATAATTCGCCAG
ATGTGCCCCACTCCTTATCGGGAAACCGGAGTAATGATCAGGGCATGTGCTTTAAACACCAGGAAGCCC
TGAAACTCTTCTGTGAGGTGGACAAAGAGGCCATCTGTGTGGTGTGCCGAGAATCCAGGAGCCACAAACA
GCACAGCGTGCTGCCTTTGGAGGAGGTGGTGCAGGAGTACCAGGAAATAAAGTTGGAACAACCTCTGGTG
GGAATACTTCAGATAGAGCAAGAAAGCATTACAGCAAGGCCTATAATCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203607 representing NM_032765
 Red=Cloning site Green=Tags(s)

MAGYATTPSPMQLQEEAVCAICLDYFKDPVSIISCGHNFCRCGCVTQLWSKEDEEDQNEEEDWEEEEDEE
 AVGAMDGWDGSIREVL YRGNADDEL FQDQDDDELWLGDSGITNWDNVDMWDEEEEEEDQDYLLGGLR
 PDLRIDVYREEEILEAYDEDEDEELYPDIHPPSLPLPGQFTCPQCRKSFTRRSFRPNLQLANMVQIIRQ
 MCPTPYRGNRSNDQGMCFKHQEALKLFCEVDKEAICVVCRESRSRKQHSVLPLEEVVQEYQEIKLETTLV
 GILQIEQESIHSKAYNQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032765

ORF Size: 891 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_032765.4](#)

RefSeq Size: 2244 bp

RefSeq ORF: 894 bp

Locus ID: 84851

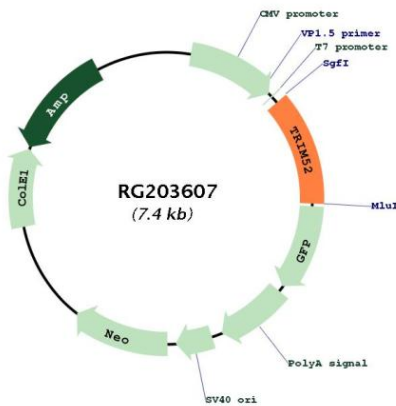
UniProt ID: [Q96A61](#)

Cytogenetics: 5q35.3

Domains: zf-B_box, RING

Gene Summary: E3 ubiquitin-protein ligase (PubMed:27667714). Positively regulates the NF-kappa-B signaling pathway (PubMed:27667714, PubMed:28073078).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203607