

Product datasheet for **RG211340**

TRIM50 (NM_178125) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM50 (NM_178125) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM50
Synonyms:	TRIM50A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG211340 representing NM_178125
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTGGCAGGTGAGCCTGCCAGAGCTGGAGGACCGCTTCAGTGTCCCATCTGCCTGGAGGTCTTCA
 AGGAGCCCTGATGCTGCAGTGTGGCACTCTTACTGCAAGGGCTGCCTGGTTTCCCTGTCTGCCACCT
 GGATGCCGAGCTGCGTTGCCCGTGTGCCGGCAGGCGGTGGACGCGAGCAGCTCCCTGCCAACGTCTCC
 CTGGCCAGGGTGATCGAAGCCCTGAGGCTCCCTGGGGACCCGGAGCCCAAGGTCTGCGTGCAACACCGGA
 ACCCGCTCAGCCTTTTCTGCGAGAAGGACCAGGAGCTCATCTGTGGCCTCTGCGGTCTGTGGGCTCCCA
 CCAACACCACCCGGTACGCCCCGTCTCCACCGTCTACAGCCGCATGAAGGAGGAGCTCGCAGCCCTCATC
 TCTGAGCTGAAGCAGGAGCAGAAAAAGGTGGATGAGCTCATCGCCAACTGGTGAACAACCGACCCGAA
 TCGTCAATGAGTCGGATGTCTTCAGCTGGGTGATCCGCCGCGAGTTCAGGAGCTGCACCACCTGGTGGA
 TGAGGAGAAGGCCGCTGCTGGAGGGGATAGGGGGTACACCCGTGGCCTGGTGGCCTCCCTGGACATG
 CAGCTGGAGCAGGCCAGGGAACCCGGGAGCGGTGGCCCAAGCCGAGTGTGTGCTGGAACAGTTCCGGCA
 ATGAGGACCACCACAAGTTCATCCGGAAGTTCCTCCATGGCCTCCAGAGCAGAGATGCCGAGGCCCG
 GCCCTTAGAAGGCGCATTCAGCCCCATCTCTTCAAGCCAGGCCTCCACCAGGCTGACATCAAGTGACC
 GTGTGGAAAAGGCTCTTCGGAAGTTTGGCAGCCCCGAGCCTCTCAAGTTGGACCCTGCCACTGCCCG
 ACCCACTCTGGAGCTCTCAAGGGCAACCGTGGTGCAGTGCAGGCTTCTGGCCAGCGGCGAGCCAG
 CCAGCCTGAGCGCTTCGACTACAGCACCTGCGTCTGGCCAGCCGCGCTTCTCTGCGGCCGCACTAC
 TGGGAGGTGGTGGTGGGAGCAAGAGCGACTGGCGCTGGGGTTCATCAAGGGCAGAGCCAGCCGTAAGG
 GCAAGCTGAACAGGTCCCCGAGCACGGCGTGTGGTGCATCGGCTGAAGGAGGGCGGGGTGACGAAGC
 CTTTGCCTGCCCCGGGTACCCCTGCCGTGGCCGGCCACCCCAACCGCATCGGGCTCTACCTGCACTAT
 GAGCAGGGCGAACTCACCTTCTCGATGCCGACCGCCCGATGACCTGCGGCCGCTCTACACCTTCAGG
 CCGACTTCAGGGCAAGCTCTACCCATCCTGGACACCTGCTGGCACGAGAGGGGAGCAACTCGCTGCC
 CATGGTGTGCCCCGCCAGCGGGCTGGCCCCCTCAGCCCCGAGCAGCCACCAAGCTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

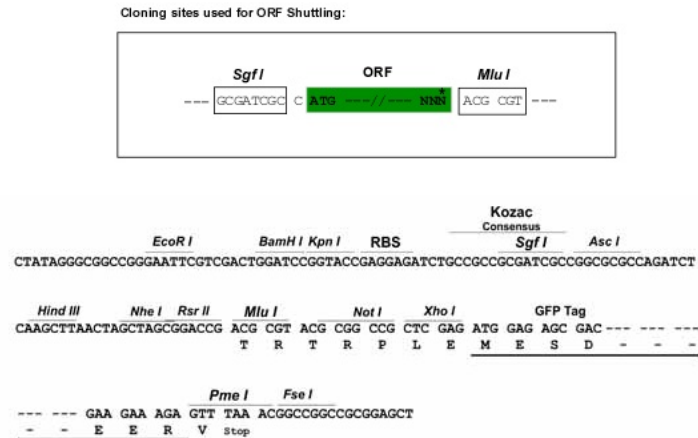
>RG211340 representing NM_178125
 Red=Cloning site Green=Tags(s)

MAWQVSLPELEDRLQCPICLEVFKEPLMLQCGHSYCKGCLVLSCHLDAELRCPVCRQAVDGSSSLPNVS
 LARVIEALRLPGDPEPKVCVHHRNPLSLFCEKDQELICGLCGLLGSHQHHPVTPVSTVYSRMKEELAALI
 SELKQEQKKVDELI AKLVNNRTRIVNESDVF SWVIRREFQELHHLVDEEKARCLEGIGGHTRGLVASLDM
 QLEQAQGTRERLAQAEVLEQFGNEDHHKFIRKFHSMASRAEMPQARPLEGAFSPISFKPLHQADIKLT
 VWKRLFRKVLPAPEPLKLDPATAHPLLELSKGNVTVQCGLLAQRRASQPERFDYSTCVLASRGFSCGRHY
 WEVVVGSKSDWRLGVIKGTASRKGLNRSPEHGVLIGLKEGRVYEAFACPRVPLPVAGHPHRIGLYLHY
 EQGELTFDADRPDDLRLPLYTFQADFQGLYPILDTCWHERGSNSLPMVLPSPSGPPLSPEQPTKL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_178125

ORF Size: 1461 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_178125.2](#), [NP_835226.1](#)

RefSeq Size: 2047 bp

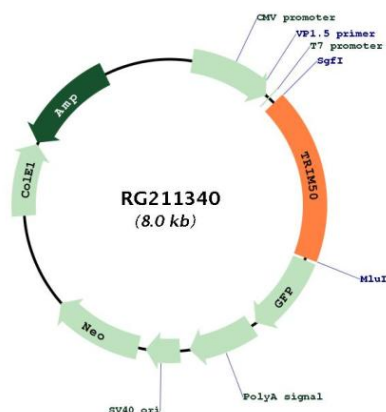
RefSeq ORF: 1464 bp

Locus ID: 135892

UniProt ID: [Q86XT4](#)

Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
Gene Summary:	E3 ubiquitin-protein ligase that ubiquitinates Beclin-1/BECN1 in a 'Lys-63'-dependent manner enhancing its binding to ULK1. In turn, promotes starvation-induced autophagy activation. Interacts also with p62/SQSTM1 protein and thereby induces the formation and the autophagy clearance of aggresome-associated polyubiquitinated proteins through HDAC6 interaction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211340