

Product datasheet for **RC238510**

TRIM50 (NM_001281450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM50 (NM_001281450) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM50
Synonyms:	TRIM50A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238510 representing NM_001281450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTTGGCAGGTGAGCCTGCCAGAGCTGGAGGACCGGCTTCAGTGTCCCATCTGCCTGGAGGTCTTCA
 AGGAGCCCTGATGCTGCAGTGTGGCCACTCTTACTGCAAGGGCTGCCTGGTTTCCTGTCTGCCACCT
 GGATGCCGAGCTGCGCTGCCCGTGTGCCGGCAGGCGGTGGACGCGAGCAGCTCCCTGCCAACGCTCC
 CTGGCCAGGGTGATCGAAGCCCTGAGGCTCCCTGGGGACCGGAGCCCAAGGTCTGCGTGACACCGGA
 ACCCGCTCAGCCTTTTCTGCGAGAAGGACCAGGAGCTCATCTGTGGCTCTGCGGTCTGTGGGCTCCCA
 CCAACACCACCGGTACGCCCCGTCTCCACCGTCTACAGCCGATGAAGGAGGAGCTCGCAGCCCTCATC
 TCTGAGCTGAAGCAGGAGCAGAAAAAGGTGGATGAGCTCATCGCCAACTGGTGAACAACCGGACCCGAA
 TCGTCAATGAGTCGGATGTCTTCAGCTGGGTGATCCGCCGCGAGTTCAGGAGCTGCACCACCTGGTGGA
 TGAGGAGAAGGCCGCTGCCTGGAGGGGATAGGGGGTACACCCGTGGCCTGGTGGCTCCCTGGACATG
 CAGCTGGAGCAGGCCAGGGAACCCGGGAGCGGCTGGCCCAAGCCGAGTGTGTGCTGGAACAGTTCCGGCA
 ATGAGGACCACCACAAGTTCATCCGGTTCACCTCCATGGCCTCCAGAGCAGAGATGCCGACGGCCCGGCC
 CTAGAAGGCGCATTAGCCCCATCTCCTTCAAGCCAGGCTCCACCAGGCTGACATCAAGCTGACCGTG
 TGGAAAAGGCTCTTCCGAAAGTTTGGCAGCCCCGGAGCCTCTCAAGTTGGACCTGCCACTGCCACC
 CACTCTGGAGCTCTCAAGGGCAACACGGTGGTGCAGTGCAGGCTTCTGGCCAGCGGCGAGCCAGCCA
 GCCTGAGCGCTTCGACTACAGCACCTGCGTCTGGCCAGCCGCGGCTTCTCCTGCGGCCGCCACTACTGG
 GAGGTGGTGGTGGCAGCAAGAGCGACTGGCGCTGGGGTTCATCAAGGGCACAGCCAGCCGTAAGGGCA
 AGCTGAACAGTCCCCGAGCACGGCGTGTGGCTGATCGGCTGAAGGAGGGCCGGGTGTACGAAGCCTT
 TGCCTGCCCCCGGTACCCCTGCCGTGGCCGGCCACCCCAACCGCATCGGGCTTACCTGCACATGAG
 CAGGGCGAACTACCTTCTTCGATGCCGACCGCCCGATGACCTGCGGCCGCTCTACACCTTCAGGCCG
 ACTTCCAGGGCAAGCTCTACCCATCCTGGACACCTGCTGGCACGAGAGGGGAGCAACTCGCTGCCCAT
 GGTGCTGCCCCGCCAGCGGGCTGGCCCCCTCAGCCCCGAGCAGCCACCAAGCTG

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

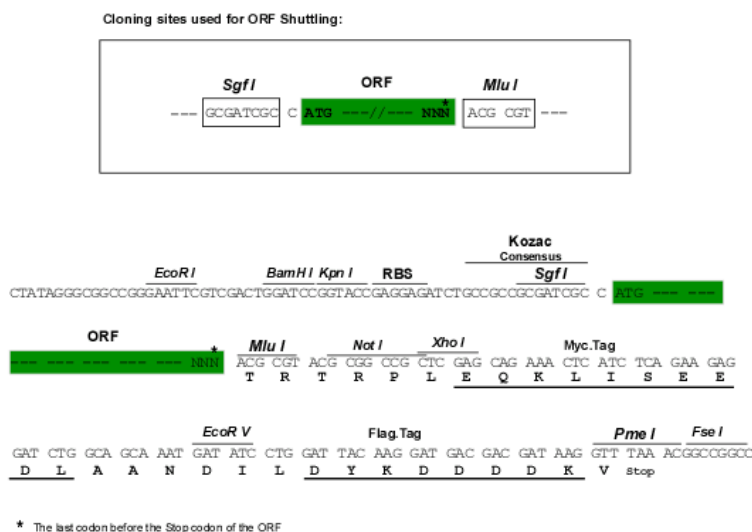
>RC238510 representing NM_001281450
 Red=Cloning site Green=Tags(s)

MAWQVSLPELEDRLQCPICLEVFKEPLMLQCGHSYCKGCLVLSCHLDAELRCPVCRQAVDGSSSLPNVS
 LARVIEALRLPGDPEPKVCVHHRNPLSLFCEKDQELICGLGLLGSHQHHPVTPVSTVYSRMKEELAALI
 SELKQEQKKVDELI AKLVNNRTRIVNESDVFSWVIRREFQELHHLVDEEKARCLEIGGHTRGLVASLDM
 QLEQAQGTRERLAQAEVLEQFGNEDHHKFIRFHSMASRAEMPQARPLEGAFSPISFKPGLHQADIKLTV
 WKRLFRKVLPAPEPLKLDPAHAHPLLELSKGN TVVQCGLLAQRRASQPERFDYSTCVLASRGFSCGRHYW
 EVVVGSKSDWRLGVIKGTASRKGLNRSPEHGVWLI GLKEGRVYEAFACPRVPLPVAGHPHRIGLYLHYE
 QGELTFFDADRPDLRLPLYTFQADFQGLYPILDTCWHERGSNSLPMVLPSPSGPGLSPEQPTKL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001281450

ORF Size: 1458 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_001281450.1](#), [NP_001268379.1](#)

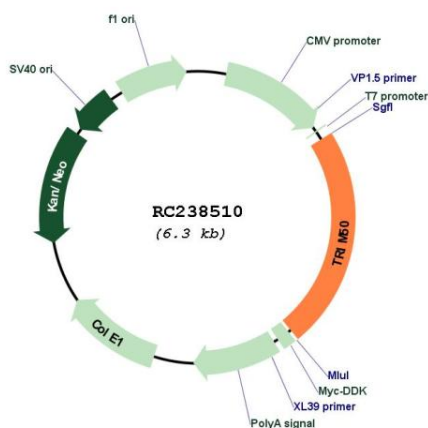
RefSeq Size: 2047 bp

RefSeq ORF: 1461 bp

Locus ID: 135892

UniProt ID:	<u>Q86XT4</u>
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
MW:	55 kDa
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 RC238510