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Product datasheet for SC307128

TRIM50 (NM_178125) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM50 (NM_178125) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM50
Synonyms:	TRIM50A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC307128 representing NM_178125.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTGGCAGGTGAGCCTGCCAGAGCTGGAGGACCGGCTTCAGTGTCCCATCTGCCTGGAGGTCTTC
AAGGAGCCCCTGATGCTGCAGTGTGGCCACTCTTACTGCAAGGGCTGCCTGGTTTCCCTGTCCTGCCAC
CTGGATGCCGAGCTGCGCTGCCCCGTGTGCCGGCAGGCGGTGGACGGCAGCAGCTCCCTGCCCAACGTC
TCCCTGGCCAGGGTGATCGAAGCCCTGAGGCTCCCTGGGGACCCGGAGCCCAAGGTCTGCGTGCACCAC
CGGAACCCGCTCAGCCTTTTCTGCGAGAAGGACCAGGAGCTCATCTGTGGCCTCTGCGGTCTGCTGGGC
TCCCACCAACACCACCCGGTCACGCCCGTCTCCACCGTCTACAGCCGCATGAAGGAGGAGCTCGCAGCC
CTCATCTCTGAGCTGAAGCAGGAGCAGAAAAAGGTGGATGAGCTCATCGCCAAACTGGTGAACAACCGG
ACCCGAATCGTCAATGAGTCGGATGTCTTCAGCTGGGTGATCCGCCGCGAGTTCCAGGAGCTGCACCAC
CTGGTGGATGAGGAGAAGGCCCGCTGCCTGGAGGGGATAGGGGGTCACACCCGTGGCCTGGTGGCCTCC
CTGGACATGCAGCTGGAGCAGGCCCAGGGAACCCGGGAGCGGCTGGCCCAAGCCGAGTGTGTGCTGGAA
CAGTTCGGCAATGAGGACCACCACAAGTTCATCCGGAAGTTCCACTCCATGGCCTCCAGAGCAGAGATG
CCGCAGGCCCGGCCCTTAGAAGGCGCATTCAGCCCCATCTCCTTCAAGCCAGGCCTCCACCAGGCTGAC
ATCAAGCTGACCGTGTGGAAAAGGCTCTTCCGGAAAGTTTTGCCAGCCCCGGAGCCTCTCAAGTTGGAC
CCTGCCACTGCCCACCCACTCCTGGAGCTCTCCAAGGGCAACACGGTGGTGCAGTGCGGGCTTCTGGCC
CAGCGGCGAGCCAGCCAGCCTGAGCGCTTCGACTACAGCACCTGCGTCCTGGCCAGCCGCGGCTTCTCC
TGCGGCCGCCACTACTGGGAGGTGGTGGTGGGCAGCAAGAGCGACTGGCGCCTGGGGGTCATCAAGGGC
ACAGCCAGCCGTAAGGGCAAGCTGAACAGGTCCCCCGAGCACGGCGTGTGGCTGATCGGCCTGAAGGAG
GGCCGGGTGTACGAAGCCTTTGCCTGCCCCCGGGTACCCCTGCCCGTGGCCGGCCACCCCCACCGCATC
GGGCTCTACCTGCACTATGAGCAGGGCGAACTCACCTTCTTCGATGCCGACCGCCCCGATGACCTGCGG
CCGCTCTACACCTTCCAGGCCGACTTCCAGGGCAAGCTCTACCCCATCCTGGACACCTGCTGGCACGAG
AGGGGCAGCAACTCGCTGCCCATGGTGCTGCCCCCGCCCAGCGGGCCTGGCCCCCTCAGCCCCGAGCAG
CCCACCAAGCTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_178125

Insert Size: 1464 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_178125.3
RefSeq Size:	2050 bp
RefSeq ORF:	1464 bp
Locus ID:	135892
UniProt ID:	Q86XT4
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome
MW:	54.7 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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 encode the same isoform (a).