

Product datasheet for **SC336408**

TRIM50 (NM_001281451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM50 (NM_001281451) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM50
Synonyms:	TRIM50A
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC336408 representing NM_001281451. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCTTGGCAGGTGAGCCTGCCAGAGCTGGAGGACCGGCTTCAGTGTCCCATCTGCCTGGAGGTCTTC
AAGGAGCCCTGATGCTGCAGTGTGGCCACTCTTACTGCAAGGGCTGCCTGGTTTCCCTGTCCTGCCAC
CTGGATGCCGAGCTGCGCTGCCCGTGTGCCGGCAGGCGGTGGACGGCAGCAGCTCCCTGCCAACGTC
TCCCTGGCCAGGGTGATCGAAGCCCTGAGGCTCCCTGGGACCCGGAGCCCAAGGTCTGCGTGCACCAC
CGGAACCCGCTCAGCCTTTCTGCGAGAAGGACCAGGAGCTCATCTGTGGCTCTGCGGTCTGCTGGGC
TCCACCAACACCACCCGGTCACGCCCTCTCCACCGTCTACAGCCGCATGAAGGAGGAGCTCGCAGCC
CTCATCTCTGAGCTGAAGCAGGAGCAGAAAAAGGTGGATGAGCTCATCGCCAACTGGTGAACAACCGG
ACCCGAATCGTCAATGAGTCGGATGTCTTCAGCTGGGTGATCCGCCGCGAGTTCCAGGAGCTGCACCAC
CTGGTGGATGAGGAGAAGGCCCGCTGCCTGGAGGGGATAGGGGGTCACACCCGTGGCCTGGTGGCCTCC
CTGGACATGCAGCTGGAGCAGGCCAGGGAACCCGGGAGCGGTGGCCCAAGCCGAGTGTGTGCTGGAA
CAGTTCGGCAATGAGGACCACCACAAGTTCATCCGGAAGTTCCACTCCATGGCCTCCAGAGCAGAGATG
CCGAGGCCCGGCCCTTAGAAGGCGCATTCAGCCCCATCTCCTTCAAGCCAGGCCTCCACCAGGCTGAC
ATCAAGCTGACCGTGTGAAAAAGGCTCTCCGAAAGTTTGGCAGCCCCGGAGCCTCTCAAGTTGGAC
CCTGCCACTGCCACCCACTCCTGGAGCTCTCAAGGGCAACACGGTGGTGCAGTGCAGGCTTCTGGCC
CAGCGGCAGCCAGCCAGCCTGAGCGCTTCGACTACAGCACCTGCGTCTGGCCAGCCGCGCTTCTCC
TGCGGCCGCCACTACTGGGAGGTGGTGGTGGGAGCAAGAGCGACTGGCGCTGGGGTTCATCAAGGGC
ACAGCCAGCCGTAAGGGCAAGCTGAACAGGTCCCCGAGCACGGCGTGTGGCTGATCGGCCGAAGGAG
GGCCGGGTGTACGAAGCCTTTCCTGCCCGGGTACCCTGCCCGTGGCCGGCCACCCCAACGCATC
GGGCTCTACCTGCACTATGAGCAGGGCGAACTCACCTTCTCGATGCCGACCGCCCGATGACCTGCGG
CCGCTCTACACCTTCCAGGCCGACTTCCAGGGCAAGCTTACCCCATCCTGGACACCTGCTGGCAGGAG
AGGGGCAGCAACTCGCTGCCCATGGTGTGCCCCGCCAGCGGGCTGGCCCCCTCAGCCCCGAGCAG
CCCACCAAGCTGTAG

Restriction Sites:	SgfI-MluI
ACCN:	NM_001281451
Insert Size:	1464 bp



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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).
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:	<u>NM_001281451.1</u>
RefSeq Size:	1978 bp
RefSeq ORF:	1464 bp
Locus ID:	135892
UniProt ID:	<u>Q86XT4</u>
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 (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (a).