

Product datasheet for **MC216710**

Trim50 (NM_178240) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim50 (NM_178240) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216710 representing NM_178240
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCGTGGCGGCTGACTGTGCCGGAATCCAGGACCAGCTGCAGTGTCCATTGCTGGAGGTCTTCA
 AAGAGCCTCTGATGCTACAGTGCGGCCACTCTACTGCAAGGACTGCCTGGATAACTTGCCCAACACCT
 GGACTCCGAGCTATGCTGCTCTGTGTCGTCAGTCAGTAGACTGCAGCAGCTCCCCGCCTAATGTCTCC
 CTGGCCCGGTGATAGATGCTCTGAGGCTGCCGGGGACATAGAGCCACCGTCTGCGTGCACCACCGAA
 ACCCTCTCAGCCTCTTCTGCGAGAAAGACCAGGAATTCATCTGTGGTCTCTGTGGCCTGCTGGGCTCCCA
 CCAACACCACCGAGTCACACCACTCTCCACCGTCTACAGCCGATGAAGGAAGAGCTTGCAGGCCGATA
 TCTGAGCTGAAGGAGGACACAGGAACGTGGAGGACACATCGGCAAAGTGGTGAACAACAGGACCCGGA
 TTATTAATGAGTCCGATGTCTTCACTGGGTGATCCGAAGGGAGTTCCAGGAATTGCACCACCTGGTGA
 CGAAGAGAAAGCCGCTGCCTGGAGGGCTTGGGGCCATACGCTGGCCTGGTGGCCTCCCTGGACATG
 CAGCTGGAGCAGGCTCAGGGTACACAAGAGCGACTGGCTCAGGCGGAGCAGGTGCTGGAGCAGTTTGGGA
 ACGAGAGTCACCATGAGTTTCATCCGGTTCACCTCTGTGGCCTCCAGGGCAGAGGTCCAGCAGGCTCGGCC
 TTTGGAAGGCGTCTTCACTCCATCTCCTTCAAGCCAGCTCTCCACCAGGCTGACATCAAAGTACCGTG
 TGGAAGAGACTCTTCCGAAGGTTCTGCCAGCTCCAGCATCTCTCAAGCTGGACCCGGCTACTGCCACC
 CTCTGCTGGAGCTCTTAAGGGCAACACAGTGGTGCATTGTGGCCTCCTTGGCCAGAGACGAGCCAGCCA
 ACCCGAGCGCTTCGACTATAGCACCTGTGCTGGCTAGCAAGGGCTTCTTGGGGTCGCCACTACTGG
 GAAGTGGTGGTGGGAGCAAGAGTGAAGTGGCGCTTGGGGTCATCAAGGGCACAGCCAGCCGCAAGGCA
 AGCTGAACAAGTCCCCAGAGCACGGTGTGTGGCTAATTGGCCTGAAAGAGGGTCGGGTGTATGAGCTTT
 TGGCTGCCACCGCTGCCACTGCCTGTGGCTGGCCACCCTCATCGCATCGGCGTCTACTTACACTATGAG
 CAGGGTGAAGTCACTTCTTTCAGCTGACCGTCTGATGATCTGCGGACACTCTATACTTTCCAAGCTG
 ACTTCCAGGGCAAGCTGTACCCTATCTGGACACATGTTGGCATGAGAGGGGAGCAACTCACTGCCCAT
 GGTATTGCCCCACCACTGGGCTGGGCACTTCACTGGGACAGGTA**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_178240

Insert Size: 1452 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).

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:	<u>NM_178240.2</u> , <u>NP_839971.1</u>
RefSeq Size:	1452 bp
RefSeq ORF:	1452 bp
Locus ID:	215061
UniProt ID:	<u>Q810I2</u>
Cytogenetics:	5 G2
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]