

Product datasheet for **MC218410**

Trim32 (NM_001161782) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim32 (NM_001161782) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim32
Synonyms:	3f3; 1810045E12Rik; BBS11; Zfp117
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218410 representing NM_001161782
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCGGCTGCAGCAGCTTCTCACCTGAACCTGGATGCCCTCCGGGAAGTGCTAGAATGTCCCATCT
 GCATGGAGTCCTCACTGAAGAGCAGCTGCGACCCAAGCTGCTGCACTGTGGCCATACCATCTGCCGCCA
 GTGCTGGAGAAGCTCCTGGCCAGCAGCATCAATGGCGTCCGCTGCCCTTTTGCAGCAAGATTACTCGC
 ATCACCAGCCTGACCCAGCTGACCGACAACCTGACGGTGTGAAGATCATTGACACAGCTGGGCTCAGTG
 AGGCCGTGCGCTGCTCATGTGCCGAGGCTGTGGCCGGCGGCTGCCTCGGCAGTTCTGCCAAGCTGTGG
 TGTGGTGTGTGAACCCTGCCGGGAGGCAGATCACCAACCCCTGGCCACTGCACACTCCGGTCAAG
 GAGGCAGCTGAGGAGCGGCGGAGGGACTTCGGGAGAAGTTGACTCGTCTAAGGGAACCTACTGGAGAGC
 TGCAGAGGAGGAAGGCAGCCTTGGAGGGCGTCTCCAGGGATCTCAGGCAAGGTATAAGGCTGTTCTTCA
 AGAATATGGCCATGAGGAACGCCGATCCAGGAAGAGCTAGCCCGCTCTCGGAAGTTCTTACAGGCTCC
 TTGGCTGAGGTTGAGAAGTCCAACAGTCAAGTGGTAGAGGAGCAGAGCTACCTACTCAACATTGCTGAGG
 TGCAGGCCGTGTCTCGCTGTGACTACTTTCTAGCGAAGATCAAGCAAGCTGATGTAGCCCTCCTGGAGGA
 GACAGCGGATGAGGAGGAGCCGAGCTCACTGCCAGCCTACCCCGGGAGCTTACCCTGCAAGATGTGGAG
 CTCCTTAAGGTAGGACACGTTGGTCTCTGCAAAATGGCCAGGCTGTTAAGAAGCCCCGGACAGTTAACA
 TGGAAGATTCTGGGCAGGGGAGGAGGGAGCAGCATCTTCTGCCTCAGCCTCGGTAACCTTTAGAGAGAT
 GGACATGAGCCCTGAGGAAGTAGCTCCCAGCCCTAGGGCTTCCCCCGGAAACAGCGGAGTTCTGAGGCA
 GCTTCCGGTATCCAGCAGTGTCTGTTTCTCAAGAAGATGGGGGCGAAAGGCAGCACTCCCGCATGTTCA
 ATCTCCAGTCAGTCTCTATGTGACCAGTCAGAGTGAGGTGCTGGTTGCCGACCGGGCAACTATCGTAT
 CCAAGTGTTC AACCGCAAAGGCTTTTTGAAGGAGATCCGCCGACGCCCCAGCGGCATTGATAGCTTCGTG
 CTAAGCTTCCCTGGAGCCGACTTGCCCAATCTCACTCCACTTTTCAAGTGGCCATGAACTGCCATGGGCTGA
 TTGGTGTCACTGATAGCTACGACAACCTCCCTAAAGTCTATACCATGGATGGCCACTGTGTGGCCTGTCA
 CAGGAGCCAGCTGAGCAAACCATGGGGCATCACAGCCCTACCATCTGGCCAGTTTGTGGTACTGACGTG
 GAAGGCGGAAGCTCTGGTGTTCCTGTAGACCGAGGAGCAGGAGTGGTCAAATACAGCTGCCTCTGCA
 GTGCTGTGAGGCCAAGTTTGTACCTGTGATGCTGAAGGCACAGTCTACTTCACCCAAGGCTTGGGGCT
 CAATGTGAAAACCGACAGAATGAACACCCTGGAGGGTGGCTTCTCCATCGGTTCTGTTGGCCCCGAT
 GGGCAGCTGGGCCGCAAATCAGCCACTTCTTCTGAGAATGAAGATTTCCGCTGCATCGCTGGCATGT
 GTGTAGATGCTCGGGCGACCTCATTGTGGCAGATAGCAGCCGCAAGGAAATTCTCCATTTCCCAAGGG
 CGGTGGCTACAGCGTCTTATTTCGAGAGGGCTTACCTGTCCAGTGGGCATCGCCCTCACACCAAGGGG
 CAGCTGCTGGTCTTGACTGTTGGGATCACTGCGTCAAGATCTACAGCTATCATCTGAGAAGATATTCCA
 CCCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001161782
Insert Size: 1968 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001161782.1](#), [NP_001155254.1](#)

RefSeq Size: 3193 bp

RefSeq ORF: 1968 bp

Locus ID: 69807

UniProt ID: [Q8CH72](#)

Cytogenetics: 4 34.43 cM

Gene Summary: Has an E3 ubiquitin ligase activity. Ubiquitinates DTNBP1 (dysbindin). May ubiquitinate BBS2 (By similarity). Ubiquitinates PIAS4/PIASY and promotes its degradation in keratinocytes treated with UVB and TNF-alpha.[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 protein.