

## Product datasheet for **MR209801**

### Trim32 (NM\_001161782) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR209801 representing NM\_001161782  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGCGGCTGCAGCAGCTTCTCACCTGAACCTGGATGCCCTCCGGAAGTGCTAGAATGTCCCATCT  
 GCATGGAGTCCTTCACTGAAGAGCAGCTGCGACCCAAGCTGCTGCACTGTGGCCATACCATCTGCCGCCA  
 GTGTCTGGAGAAGCTCCTGGCCAGCAGCATCAATGGCGTCCGCTGCCCTTTTGCAGCAAGATTACTCGC  
 ATCACCAGCTGACCCAGCTGACCGACAACCTGACGGTGTGAAGATCATTGACACAGCTGGGCTCAGTG  
 AGGCCGTGCGCTGCTCATGTGCCGAGGCTGTGGCCGGCGGCTGCCTCGGCAGTTCTGCCAAGCTGTGG  
 TGTGGTGTGTGTGAACCCTGCCGGGAGGCAGATCACCAACCCCTGGCCACTGCACACTCCGGTCAAG  
 GAGGCAGCTGAGGAGCGGCGGAGGGACTTCGGGAGAAGTTGACTCGTCTAAGGGAATTACTGGAGAGC  
 TGCAGAGGAGGAAGGCAGCCTTGGAGGGCTCTCCAGGGATCTTCAGGCAAGGTATAAGGCTGTTCTTCA  
 AGAATATGGCCATGAGGAACGCCGATCCAGGAAGAGCTAGCCCGCTCTCGGAAGTTCTTACAGGCTCC  
 TTGGCTGAGGTTGAGAAGTCCAACAGTCAAGTGGTAGAGGAGCAGAGCTACCTACTCAACATTGCTGAGG  
 TGCAGGCCGTGTCTCGCTGTGACTACTTTCTAGCGAAGATCAAGCAAGCTGATGTAGCCCTCCTGGAGGA  
 GACAGCGGATGAGGAGGAGCCGAGCTCACTGCCAGCCTACCCCGGAGCTTACCCTGCAAGATGTGGAG  
 CTCCTTAAGGTAGGACACGTTGGTCTCTGCAAAATGGCCAGGCTGTTAAGAAGCCCGGACAGTTAACA  
 TGGAAATTCTGGGCAGGGGAGGAGGGAGCAGCATCTTCTGCCTCAGCCTCGGTAACCTTTAGAGAGAT  
 GGACATGAGCCCTGAGGAAGTAGCTCCCAGCCCTAGGGCTTCCCCCGGAAACAGCGGAGTTCTGAGGCA  
 GCTTCCGGTATCCAGCAGTGTCTGTTTCTCAAGAAGATGGGGGCGAAAGGCAGCACTCCCGCATGTTCA  
 ATCTTCCAGTCAGTCTCTATGTGACCAGTCAGAGTGAGGTGCTGGTTGCCGACCGGGCAACTATCGTAT  
 CCAAGTGTCAACCGCAAAGGCTTTTTGAAGGAGATCCGCCGAGCCCCAGCGGCATTGATAGCTTCGTG  
 CTAAGTTCCTTGGAGCCGACTTGCCCAATCTCACTCCACTTTCAGTGGCCATGAACTGCCATGGGCTGA  
 TTGGTGTCACTGATAGCTACGACAACCTCCCTAAAGTCTATACCATGGATGGCCACTGTGTGGCCTGTCA  
 CAGGAGCCAGCTGAGCAAACCATGGGGCATCACAGCCCTACCATCTGGCCAGTTTGTGGTACTGACGTG  
 GAAGGCGGGAAGCTCTGGTGTTCCTGTAGACCAGGAGCAGGAGTGGTCAAATACAGCTGCCTCTGCA  
 GTGCTGTGAGGCCAAGTTTGTACCTGTGATGCTGAAGGCACAGTCTACTTCACCCAAGGCTTGGGGCT  
 CAATGTGAAAACCGACAGAATGAACACCCTGGAGGGTGGCTTCTCCATCGGTTCTGTTGGCCCCGAT  
 GGGCAGCTGGGCCGCAAATCAGCCACTCTTCTGAGAATGAAGATTTCCGCTGCATCGCTGGCATGT  
 GTGTAGATGCTCGGGCGACCTCATTGTGGCAGATAGCAGCCGCAAGGAAATTCTCCATTTCCCAAGGG  
 CGGTGGCTACAGCGTCTTATTGAGAGGGCTTACCTGTCCAGTGGGCATCGCCCTCACACCAAGGGG  
 CAGCTGCTGGTCTTGGACTGTTGGGATCACTGCGTCAAGATCTACAGCTATCATCTGAGAAGATATTCCA  
 CCCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**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](mailto: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](#)

**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.

**RefSeq:** [NM\\_001161782.1](#), [NP\\_001155254.1](#)

**RefSeq Size:** 3193 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 69807

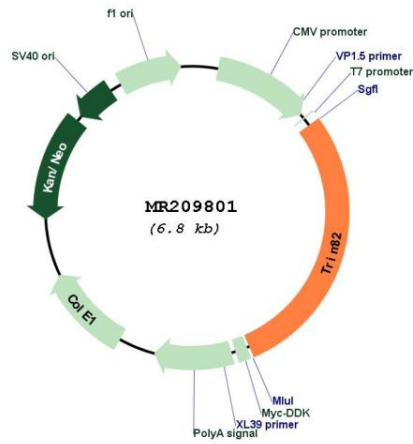
**UniProt ID:** [Q8CH72](#)

**Cytogenetics:** 4 34.43 cM

**MW:** 72.5 kDa

**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]

Product images:



Circular map for MR209801