

Product datasheet for **MG209801**

Trim32 (NM_053084) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim32 (NM_053084) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim32
Synonyms:	3f3; 1810045E12Rik; BBS11; Zfp117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG209801 representing NM_053084
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGGCTGCAGCAGCTTCTCACCTGAACCTGGATGCCCTCCGGAAGTGCTAGAATGTCCCATCT
GCATGGAGTCCTTCACTGAAGAGCAGCTGCGACCCAAGCTGCTGCACTGTGGCCATACCATCTGCCGCCA
GTGTCTGGAGAAGCTCCTGGCCAGCAGCATCAATGGCGTCCGCTGCCCTTTTGCAGCAAGATTACTCGC
ATCACCAGCTGACCCAGCTGACCGACAACCTGACGGTGTGAAGATCATTGACACAGCTGGGCTCAGTG
AGGCCGTGCGCTGCTCATGTGCCGAGGCTGTGGCCGGCGGCTGCCTCGGCAGTTCTGCCAAGCTGTGG
TGTGGTGTGTGTGAACCCTGCCGGGAGGCAGATACCAACCCCTGGCCACTGCACACTCCGGTCAAG
GAGGCAGCTGAGGAGCGGCGGAGGGACTTCGGGAGAAGTTGACTCGTCTAAGGGAATTACTGGAGAGC
TGCAGAGGAGGAAGGCAGCCTTGGAGGGCTCTCCAGGGATCTTCAGGCAAGGTATAAGGCTGTTCTTCA
AGAATATGGCCATGAGGAACGCCGATCCAGGAAGAGCTAGCCCGCTCTCGGAAGTTCTTACAGGCTCC
TTGGCTGAGGTTGAGAAGTCCAACAGTCAAGTGGTAGAGGAGCAGAGCTACCTACTCAACATTGCTGAGG
TGCAGGCCGTGTCTCGCTGTGACTACTTTCTAGCGAAGATCAAGCAAGCTGATGTAGCCCTCCTGGAGGA
GACAGCGGATGAGGAGGAGCCGAGCTCACTGCCAGCCTACCCCGGAGCTTACCCTGCAAGATGTGGAG
CTCCTTAAGGTAGGACACGTTGGTCTCTGCAAAATGGCCAGGCTGTTAAGAAGCCCGGACAGTTAACA
TGGAAATTCTGGGCAGGGGAGGAGGGAGCAGCATCTTCTGCCTCAGCCTCGGTAACCTTTAGAGAGAT
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GCTTCCGGTATCCAGCAGTGTCTGTTTCTCAAGAAGATGGGGGCGAAAGGCAGCACTCCCGCATGTTCA
ATCTTCCAGTCAGTCTCTATGTGACCAGTCAGAGTGAGGTGCTGGTTGCCGACCGGGCAACTATCGTAT
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CAGGAGCCAGCTGAGCAAACCATGGGGCATCACAGCCCTACCATCTGGCCAGTTTGTGGTACTGACGTG
GAAGGCGGAAGCTCTGGTGTTCCTGTAGACCAGGAGCAGGAGTGGTCAAATACAGCTGCCTCTGCA
GTGCTGTGAGGCCAAGTTTGTACCTGTGATGCTGAAGGCACAGTCTACTTCACCCAAGGCTTGGGGCT
CAATGTGAAAACCGACAGAATGAACACCCTGGAGGGTGGCTTCTCCATCGGTTCTGTTGGCCCCGAT
GGCAGCTGGGCCGCAAATCAGCCACTCTTCTGAGAATGAAGATTTCCGCTGCATCGCTGGCATGT
GTGTAGATGCTCGGGCGACCTCATTGTGGCAGATAGCAGCCGCAAGGAAATTCTCCATTTCCCAAGGG
CGGTGGCTACAGCGTCTTATTGAGAGGGCTTACCTGTCCAGTGGGCATCGCCCTCACACCAAGGGG
CAGCTGCTGGTCTTGACTGTTGGGATCACTGCGTCAAGATCTACAGCTATCATCTGAGAAGATATTCCA
CCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209801 representing NM_053084
 Red=Cloning site Green=Tags(s)

MAAAAAASHLNLDALREVLECPICMESFTEEQLRPKLLHCGHTICRQCLEKLLASSINGVRCPFCSKITR
 ITSLTQLTDNLTVLKIIDTAGLSEAVGLLMCRGCGRRLPQFCRSCGVVLCPCREADHQPPGHCTLPVK
 EAAEERRRDFGEKLTREL TREL TREL TREL TREL TREL TREL TREL TREL TREL TREL TREL TREL
 LAEVEKSNVVEEQSYLLNIAEVQAVSRCDYFLAKIKQADVALLEETADEEEPELTASLPRELTLDQVE
 LLKVGHVGLQIGQAVKKPRTVNMEDSWAGEEGAASSASVTFREMDMSPPEVAPSPRASPQKRSSEA
 ASGIQQCLFLKKMGAKGSTPGMFNLPVSLYVTSQSEVLVADRGNYRIQVFNKRGFLKEIRRSPSGIDSFV
 LSFLGADLPNLTPLSVAMNCHGLIGVTDSDYNSLKVYTMGDGHCVACHRSQSKPWGITALPSGQFVVTDV
 EGGKLCWFTVDRGAGVVKYSCLSAVRPKFVTCD AEGTVYFTQGLGLNVENRQNEHHLEGGFSIGSVGPD
 GQLGRQISHFFSENEDFRCIAGMCDVARGDLIVADSSRKEILHFPKGGGYSVLIREGLTCPVGIALTPKG
 QLLVLDCWDHCVKIYSYHLRRYSTP

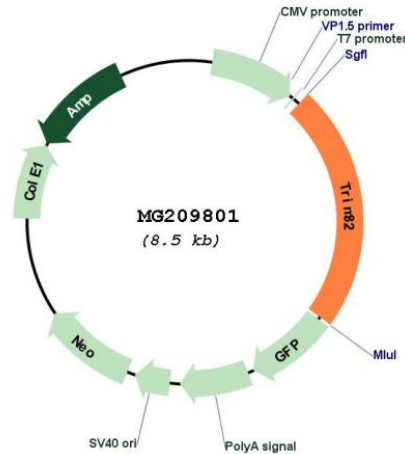
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_053084

ORF Size: 3193 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](#)

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_053084.2](#), [NP_444314.2](#)

RefSeq Size: 3184 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]