

Product datasheet for **MR22315**

Trim32 (NM_053084) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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)



ORF Nucleotide Sequence: >MR223315 representing NM_053084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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 CCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >MR223315 representing NM_053084
 Red=Cloning site Green=Tags(s)

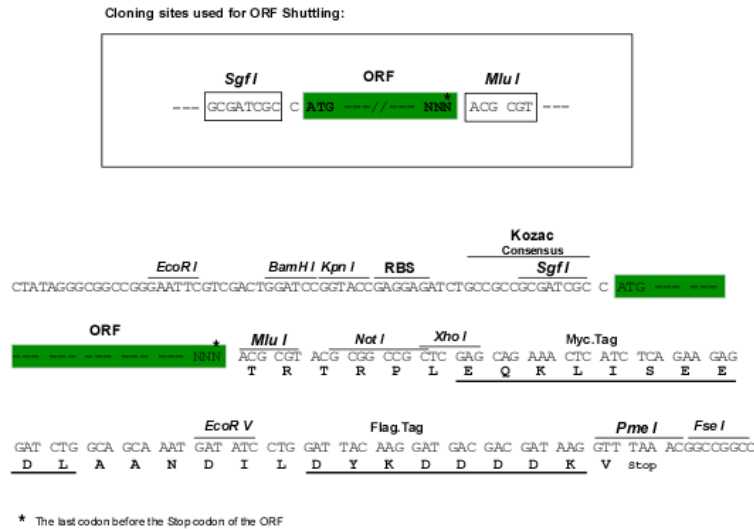
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 ASGIQQCLFLKMKGAKGSTPGMFNLPVSLVYTSQSEVLVADRGNYRIQVFNKGFLEIRRSPSGIDSFV
 LSFLGADLPNLTPLSVAMNCHGLIGVTDSDNSLKVYTMGDGHCVACHRSLSKPWGITALPSGQFVTDV
 EGGKLWCFTVDRGAGVVKYSCLCSAVRPKFVTDAEGTVYFTQGLGLNVENRQNEHLEGGFSIGSVGPD
 GQLGRQISHFFSENEDFRCIAGMCDARGDLIVADSSRKEILHFPKGGYSVLIREGLTCPVGIALTPKG
 QLLVLDCWDHCVKIYSYHLRRYSTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9078_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053084

ORF Size: 1965 bp

OTI Disclaimer: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_053084.2](#), [NP_444314.2](#)

RefSeq Size: 3196 bp

RefSeq ORF: 1968 bp

Locus ID: 69807

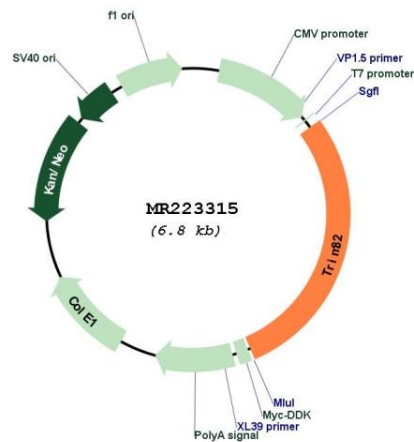
UniProt ID: [Q8CH72](#)

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 MR223315