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Product datasheet for RC201289

TRIM32 (NM_012210) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM32 (NM_012210) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM32
Synonyms:	BBS11; HT2A; LGMD2H; LGMDR8; TATIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC201289 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCAGCAGCAGCTTCTCACCTGAACCTGGATGCCCTCCGGGAAGTGCTAGAATGCCCCATCTGCA
TGGAGTCCTTCACAGAAGAGCAGCTGCGTCCCAAGCTTCTGCACTGTGGCCATACCATCTGCCGCCAGTG
CCTGGAGAAGCTATTGGCCAGTAGCATCAATGGTGTCCGCTGTCCCTTTTGCAGCAAGATTACCCGCATA
ACCAGCTTGACCCAGCTGACAGACAATCTGACAGTGCTAAAGATCATTGATACAGCTGGGCTCAGCGAGG
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GCAGCTGAGGAGCGGCGTCGGGACTTTGGAGAGAAGTTAACTCGTCTGCGGGAACTTATGGGGGAGCTGC
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AGCTGATGAGGAGGAGCCAGAGCTCACTGCCAGCTTGCCTCGGGAGCTCACCCTGCAAGATGTGGAGCTC
CTTAAGGTAGGTCATGTTGGCCCCCTCCAAATTGGACAAGCTGTTAAGAAGCCCCGGACAGTTAACGTGG
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ATGCTCGTGGTGATCTCATCGTGGCTGACAGTAGTCGCAAGGAAATTCTCCATTTTCCTAAGGGTGGGGG
CTATAGTGTCCTTATTCGAGAGGGACTTACCTGTCCGGTGGGCATAGCCCTAACTCCTAAGGGGCAGCTG
CTGGTCTTGGACTGTTGGGATCATTGCATCAAGATCTACAGCTACCATCTGAGAAGATATTCCACCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

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>RC201289 protein sequence
Red=Cloning site Green=Tags(s)

MAAAAASHLNLDALREVLECPICMESFTEEQLRPKLLHCGHTICRQCLEKLLASSINGVRCPFCSKITRI
TSLTQLTDNLTVLKIIDTAGLSEAVGLLMCRSCGRRLPRQFCRSCGLVLCEPCREADHQPPGHCTLPVKE
AAEERRRDFGEKLTRLRELMGELQRRKAALEGVSKDLQARYKAVLQEYGHEERRVQDELARSRKFFTGSL
AEVEKSNSQVVEEQSYLLNIAEVQAVSRCDYFLAKIKQADVALLEETADEEEPELTASLPRELTLQDVEL
LKVGHVGPLQIGQAVKKPRTVNVEDSWAMEATASAASTSVTFREMDMSPEEVVASPRASPAKQRGPEAAS
NIQQCLFLKKMGAKGSTPGMFNLPVSLYVTSQGEVLVADRGNYRIQVFTRKGFLKEIRRSPSGIDSFVLS
FLGADLPNLTPLSVAMNCQGLIGVTDSYDNSLKVYTLDGHCVACHRSQLSKPWGITALPSGQFVVTDVEG
GKLWCFTVDRGSGVVKYSCLCSAVRPKFVTCDAEGTVYFTQGLGLNLENRQNEHHLEGGFSIGSVGPDGQ
LGRQISHFFSENEDFRCIAGMCVDARGDLIVADSSRKEILHFPKGGGYSVLIREGLTCPVGIALTPKGQL
LVLDCWDHCIKIYSYHLRRYSTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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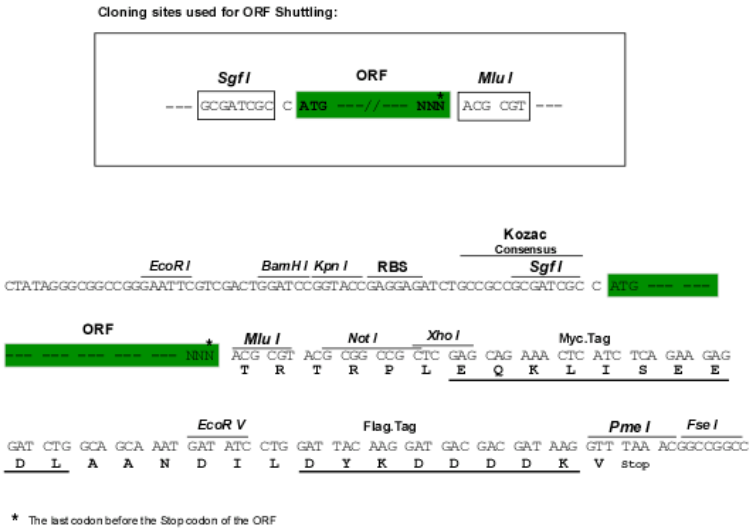
Chromatograms: https://cdn.origene.com/chromatograms/mk6150_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012210

ORF Size: 1959 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).

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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_012210.4
RefSeq Size:	3734 bp
RefSeq ORF:	1962 bp
Locus ID:	22954
UniProt ID:	Q13049
Cytogenetics:	9q33.1
Domains:	zf-B_box, NHL, RING
Protein Families:	Transcription Factors
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	72 kDa
Gene Summary:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. The protein has also been localized to the nucleus, where it interacts with the activation domain of the HIV-1 Tat protein. The Tat protein activates transcription of HIV-1 genes. [provided by RefSeq, Jul 2008]

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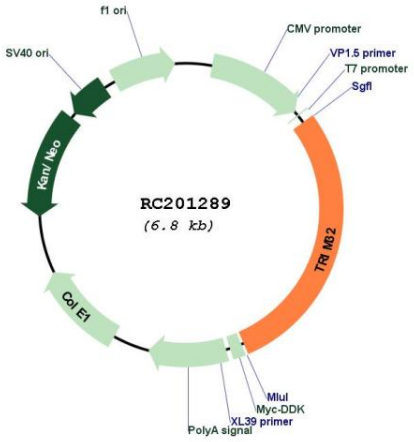
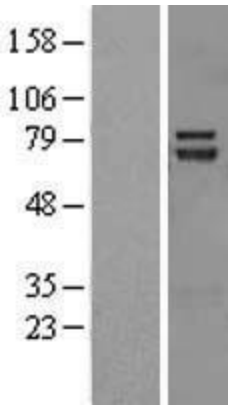
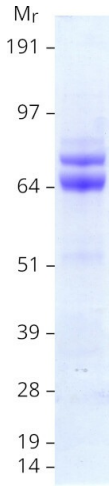
Product images:



Circular map for RC201289



Western blot validation of overexpression lysate (Cat# [LY420491]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC223796] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRIM32 protein (Cat# [TP301289]). The protein was produced from HEK293T cells transfected with TRIM32 cDNA clone (Cat# RC201289) using MegaTran 2.0 (Cat# [TT210002]).

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