

Product datasheet for **MG216582**

Trim41 (NM_145377) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Trim41
Synonyms:	AW552703; BC020156; R75223; RINCK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216582 representing NM_145377
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGCCGTTGCCATGACACCCAACCCGTGCAGACCCTTCAGGAGGAGCGGTGTGTGCCATCTGCC
 TCGATTACTTCACGGACCCGGTGTCCATCGGCTGCGGGCACAACTTCTGCCGAGTGTGTGAACCCAGTT
 GTGGGGCGGGGAGGATGAGGAAGACAGAGATGAGTTGGATCGGGAGGAGGAGGAGGAGGAGGTCGGAGAG
 GAGGAAGAAGTGGAGGCTGTCGGGGCTGGCGGGGGCTGGGACACCCTATGCGGGAAGAAGATTATGAGG
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 CCATCTGCCTCAGCAGCTCCTACTCCAGCGCAAGTGTGGTGTGTGGGCACCCACGGCAAACGATACCAG
 GCACAGAGCTCAACAGAGCAGACACTGCTCAGCCATGTGAGAAACCACGGCGCTTTGGCGTATACCTGG
 ACTATGAGGCTGGGCGCTAGGCTTCTACAATGCGGATACCTTAGCCCATGTGCACACCTTCTCAGCTGC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

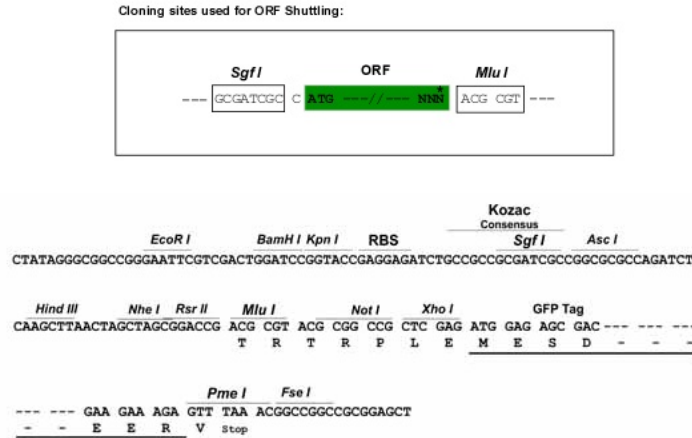
Protein Sequence: >MG216582 representing NM_145377
 Red=Cloning site Green=Tags(s)

MAAVAMTPNPVQTLQEEAVCAICLDYFTDPVSI GCGHNF CRV CVTQLWGGEDEEDRDEL DREEEEEVEVGE
 EEEVEAVGAGGWDTPMREEDYEGDMEEEAE EEEVEFWSSGIGGSNWDNMDYVVEEEEEEEELDYLG
 DVADLRGEDEDEEEVLEEEDEEELDPITQLPPPPAPRRCF TCPQCRKSFRRSFRPNLQLANMVQVIRQ
 MHPTPGRGSRVNEQGICPRHQEALKLFCVDEEAICVVCRESRSHKQHSVVPLEE VVQEYKAKLQGHVPE
 LRKHLEAVQKMKAKEERRVTELK SQMKS ELAAVASEFGRLTRFLAEEQAGLERRLREMHEAQLGRAGAAA
 NRLEEQAAQLSRLLAEAQERSQQGGLRLLQDIKETFNRC EEIQLQPPEI WSPDPCQPHSHDFLTD AIVRK
 MSRMFCAARVDL TLPDTAHPALLSPDRRGVRLAERRQEVPEH SKRFSADCCV LGAQGF RSGRHYWEV
 EVGRRGWAVGAARESTHHKEKVGSGSSVSSGDASSRHHHRRRLHLPQQLLQREVWCVGTHGKRYQ
 AQSSTEQTL LSPCEKPRRFVYLDYEAGRLGFYNADTLAHVHTFSA AFLGERVFPFRVLSKGTRIKLCP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145377

ORF Size: 1890 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).

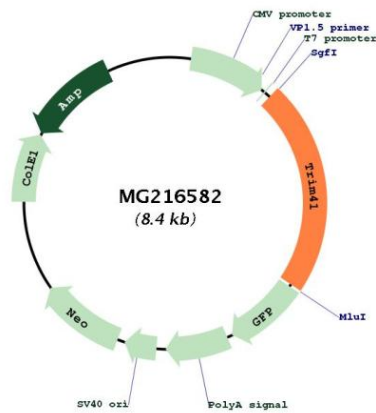
Reconstitution Method:

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_145377.2](#), [NP_663352.2](#)

RefSeq Size:	3493 bp
RefSeq ORF:	1893 bp
Locus ID:	211007
UniProt ID:	Q5NCC3
Cytogenetics:	11 B1.2
Gene Summary:	Functions as an E3 ligase that catalyzes the ubiquitin-mediated degradation of protein kinase C.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216582