

Product datasheet for **RG211510**

TRIP12 (NM_004238) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP12 (NM_004238) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIP12
Synonyms:	MRD49; TRIP-12; TRIPC; ULF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211510 representing NM_004238 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAACCGCCTAATAACAATCCAGGGGGTCACTGCGACGTTACAGAGGAACACTGCCGGGGCCC
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 AACTATCTTAAGTTGCCGACTATTCAAGCATTGAGATAATGCGTGAAAAACTGTTGATAGCAGCAAGAG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211510 representing NM_004238
 Red=Cloning site Green=Tags(s)

MSNRPNNNPGGSLRRSQRNTAGAPQDDSIGGRSCSSSSAVIVPQPEDPDRANTSERQKTGQVPPKDNSR
 GVKRSASPDYNRNINSPSSAKPKALQHTESPSETNKPHSKSKKRHLDEQQLKSAQSPSTSKAHRKSGA
 TGGRSRQKRKTESSECVKSGSGSESTGAEERSAKPTKLASKSATSAGKGCSTITDSSAASTSSSSAVA
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 RRQEKMADPESNQEAVNSSAARTDEAPQGAAGAVGMTTSGESESDDSEMGRQLALLEARGLPPHFLGPLG
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 AAQFLNSGNVRHRLQFYIGEHLIPYNTVYQAVRQFSIQAEDEESTDDESNPLGRAGIWTHTIWKYP
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 VILLRLVLAISRYYLYDNAMCKEIIPTSEFINSKLTAKANRQLQDPLVIMTGNIPTWLTGKTCPP
 FFPFDTRQMLFYVTAFFDRDRAMRQLLDNPEINQSDSQRVAPRLDRKRTVNREELLKQAESVMQDLG
 SSRAMLEIQYENEVGTGLGPTLEFYALVSQELQRADLGLWRGEEVTLNPKGSGQETKYIQNLQGLFALP
 FGRTAKPAHIAKVKMKFRFLGKLMAKAIMDFRLVDLPLGLPFYKWMRLQETSLTSHDLFDIDPVVARSVY
 HLEDIVRQKRLQDKSQTKEQLYALETLTMNGCSVEDLGLDFTLPGFPNIELKKGKDIPTVIHNL EE
 YLRLVIFWALNEGVSQRQFDSFRDGFESVFPLSHLQYFYPEELDQLLQCGSKADTWDATLMECCRPDHGYT
 HDSRAVKFLFEILSSFDNEQRLFLQFVTGSPRLPVGGFRSLNPPLTIVRKTFFESTENPDDFLPSVMTCV
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TRTRPLE – GFP Tag – V

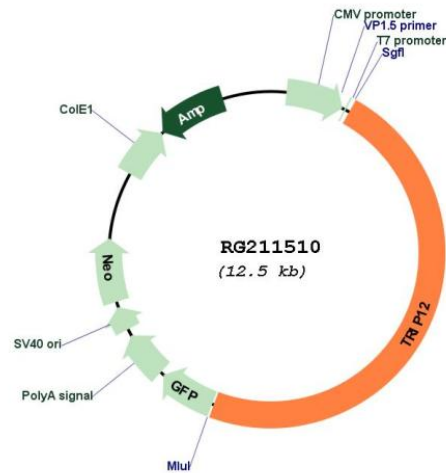
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_004238

ORF Size: 5976 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:	<ol style="list-style-type: none">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:	<u>NM_004238.3</u>
RefSeq Size:	6428 bp
RefSeq ORF:	5979 bp
Locus ID:	9320
UniProt ID:	<u>Q14669</u>
Cytogenetics:	2q36.3
Domains:	HECT
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	The protein encoded by this gene is an E3 ubiquitin-protein ligase involved in the degradation of the p19ARF/ARF isoform of CDKN2A, a tumor suppressor. The encoded protein also plays a role in the DNA damage response by regulating the stability of USP7, which regulates tumor suppressor p53. [provided by RefSeq, Jan 2017]