

## Product datasheet for **RG240228**

### TRIP12 (NM\_001284214) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP12 (NM_001284214) 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:	>RG240228 representing NM_001284214. Blue=ORF Red=Cloning site Green=Tag(s)

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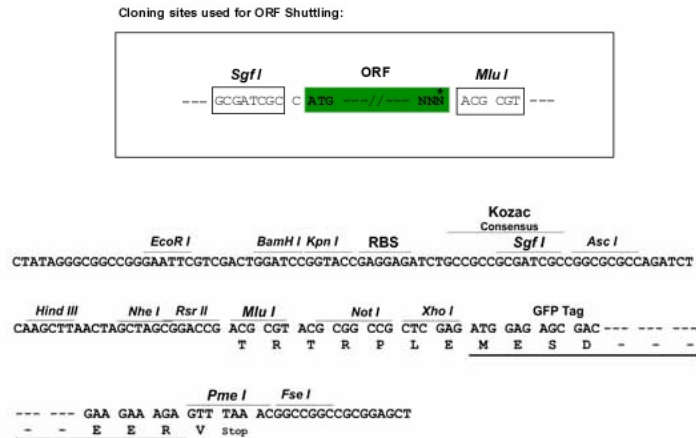
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG240228  
 Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001284214

**ORF Size:** 6120 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).

**RefSeq:** [NM\\_001284214.2](#)

**RefSeq Size:** 10036 bp

**RefSeq ORF:** 6123 bp

**Locus ID:** 9320

**UniProt ID:** [Q14669](#)

**Cytogenetics:** 2q36.3

**Protein Families:** Druggable Genome

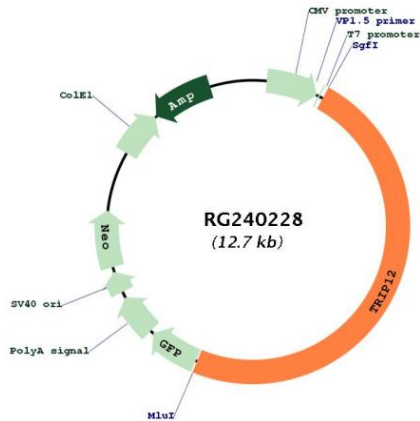
**Protein Pathways:** Ubiquitin mediated proteolysis

**MW:** 226 kDa

**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]

**Product images:**



Circular map for RG240228