

Product datasheet for **SC338121**

TRIP12 (NM_001284215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP12 (NM_001284215) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIP12
Synonyms:	MRD49; TRIP-12; TRIPC; ULF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284215, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAACCGCCTAATAACAATCCAGGGGGTCACTGCGACGTTACAGAGGAACACTGCCGGGGCCC
AACCACAAGACGACTCAATAGGAGGAAGAAGCTGCAGTTCATCATCTGCTGTGATAGTTCACAACCAGA
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 GCGTGAAAACTGTTGATAGCAGCAAGAGAAGGGCAGCAGTCGTTCCATCTTTCC TGA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001284215
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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.
- RefSeq:** [NM_001284215.1](#), [NP_001271144.1](#)
- RefSeq Size:** 9861 bp
- RefSeq ORF:** 6078 bp
- Locus ID:** 9320
- UniProt ID:** [Q14669](#)
- Cytogenetics:** 2q36.3
- 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]

Transcript Variant: This variant (2), as well as variant 6, encodes isoform b. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.