

Product datasheet for **SC117493**

TRIP12 (NM_004238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP12 (NM_004238) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIP12
Synonyms:	MRD49; TRIP-12; TRIPC; ULF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004238, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAACCGCCTAATAACAATCCAGGGGGTCACTGCGACGTTACAGAGGAACACTGCCGGGGCCC
AACCACAAGACGACTCAATAGGAGGAAGAAGCTGCAGTTCATCATCTGCTGTGATAGTTCACAACCAGA
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TGTGGCAGAGCAGGCCTTGACTGCCTTGGAGATGTTGTACGGAGACATAGTAAAGCCATTCTACAGGCG
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 AAGGGCAGCAGTCGTTCCATCTTCTCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004238 unedited
 AGTATTTTGAATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAGGGGAGCTAGT
 GGAAGTTACTGCCGCGCCACCGAGTCCGGACCGGAGACTTTGGGCGCTAACTAGAGTCTC
 ACTCTGTCAACCAGGCTGGAGTGCAAGTGGCGTATCTCAGCTCAGTGCAACCTCTGCCTC
 CCAGGTTCCAGGTATTCTCCTGCCTCAGCCTCCTCAGTAGCTGGGACCACAGAGACGGGG
 TTTACCATTGGTCTTGATCTCCTGATCTTGTGATCCGCTGCCTCGGCTCCCAAAGTGC
 TGGGATTACAAGTGTGAGCCACCGCGCCCGCCTAAAACTCTTAACTGAATTGTGAGA
 CGTTACCGGATGCTTCATAAGATGACCAACTGTTTGAATAAAGAATATGTGAATGGTA
 GTGTCTAGAAAGGTATGTCCTTCAAGAGAGAGGTGCCAATGTCCAACCGGCCTAATAA
 CAATCCAGGGGGTCACTGCGACGTTTACAGAGGAACACTGCCGGGGCCCAACCAAGA
 CGACTCAATAGGAGGAAGTACATTTAGGGCAGGCAAAACATAAAGGGATATAGCCCTCC
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 GTCAAGGGGACACCTTTCTAAAAGAAGCTGCAGTTCATCATCTGCTGTGATAGTTCCACA
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 TCCTAGCTCTGCAAAAAACCAAAAGCACTTACGATACTGAATCTNCCTCAGNNAACAA
 TAGCCACATTAGTCAAAGAAGAGACATTTAGACAGGNAGCACACTGGAAGTGCACAT
 CACCTCAACAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_004238

Insert Size:

4910 bp

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_004238.1](#), [NP_004229.1](#)

RefSeq Size: 6428 bp

RefSeq ORF: 5979 bp

Locus ID: 9320

UniProt ID: [Q14669](#)

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]

Transcript Variant: This variant (3) encodes isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.