

## Product datasheet for **RC235403**

### TRRAP (NM\_001244580) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRRAP (NM\_001244580) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TRRAP  
**Synonyms:** DEDDFA; DFNA75; PAF350/400; PAF400; STAF40; TR-AP; Tra1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC235403 representing NM\_001244580  
 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC235403 representing NM\_001244580  
 Red=Cloning site Green=Tags(s)

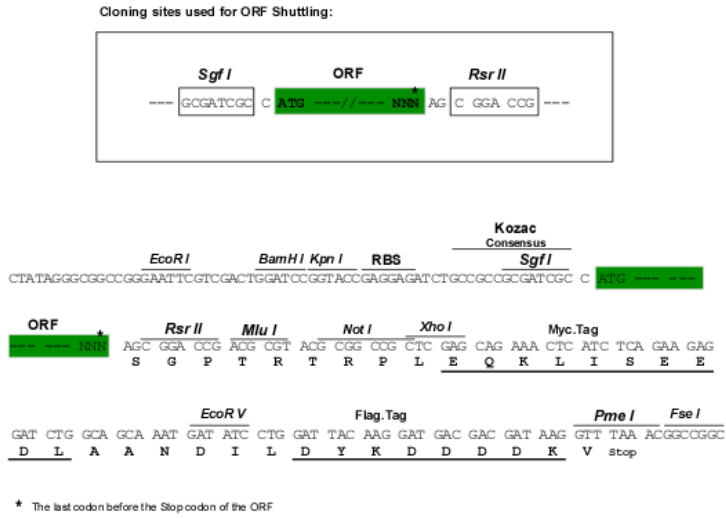
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 SMKLNHLISLKKWIKILEAKTKQLPKFFLIEEKCRFLSNFSAQTAEVEIPGEFLMPKPTHYYIKIARFM  
 PRVEIVQKHNTAARRLYIRGHNGKIYPYLMNDACLTESRREERVLQLRLNPNCLEKRETTKRHLFFT  
 VPRVAVSPQMRLVEDNPSSLVVEIYKQCAKKGIEHDNPISRYYDRLATVQARGTQASHQVLRDILKE  
 VQSNMVPMSMLKEWALHTFPNATDYWTFRKMFTIQLALIGFAEVLHLNRLNPEMLQIAQDTGKLVNAYF  
 RFDINDATGDLNANRPVFPRLTPNISEFLTITIGVSGPLTASMIAVARCFQPNFKVDGILKTVLRDEIIA  
 WHKKTQEDTSSPLSAAGQPENMDSQQLVSLVQKAVTAIMTRLNHLAQFEGGESKVNTLVAAANSLDNLCR  
 MDPAWHPWL

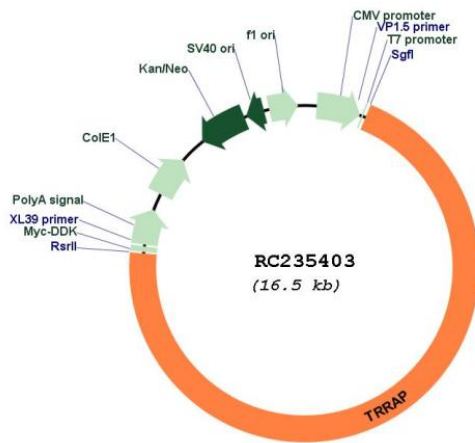
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001244580

ORF Size: 11577 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

**RefSeq:** [NM\\_001244580.1](#), [NP\\_001231509.1](#)

**RefSeq Size:** 12695 bp

**RefSeq ORF:** 11580 bp

**Locus ID:** 8295

**UniProt ID:** [Q9Y4A5](#)

**Cytogenetics:** 7q22.1

**Protein Families:** Druggable Genome, Protein Kinase

**MW:** 438.1 kDa

**Gene Summary:** This gene encodes a large multidomain protein of the phosphoinositide 3-kinase-related kinases (PIKK) family. The encoded protein is a common component of many histone acetyltransferase (HAT) complexes and plays a role in transcription and DNA repair by recruiting HAT complexes to chromatin. Deregulation of this gene may play a role in several types of cancer including glioblastoma multiforme. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]