

Product datasheet for **RG235403**

TRRAP (NM_001244580) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRRAP (NM_001244580) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRRAP
Synonyms:	DEDDFA; DFNA75; PAF350/400; PAF400; STAF40; TR-AP; Tra1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235403 representing NM_001244580 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RG235403 representing NM_001244580

Red=Cloning site Green=Tags(s)

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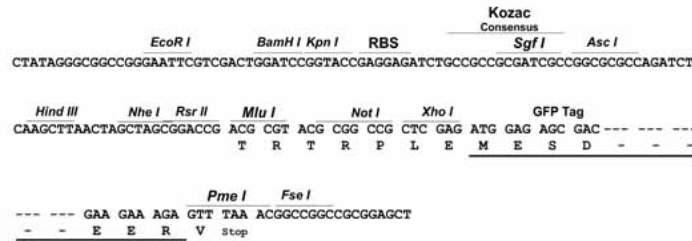
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 MDPAWHPWL

SGPTRRRLE - GFP Tag - V

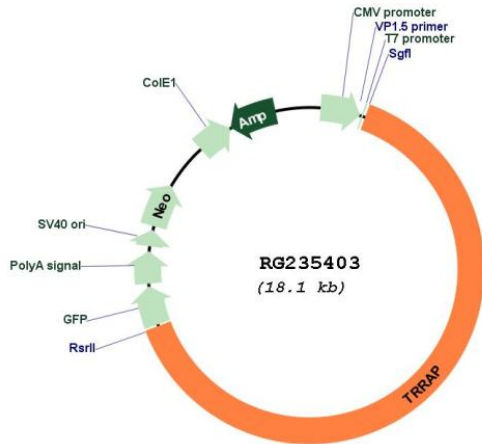
Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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 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

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]