

Product datasheet for **RC239159**

TRIM46 (NM_001282378) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM46 (NM_001282378) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM46
Synonyms:	GENEY; TRIFIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239159 representing NM_001282378
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTTCCCGTGCCAGCCTGCCAAGGTGATGTGGAGCTTGGGAGCGGGTCTGGCAGGGCTTTCCGGA
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 AAGCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239159 representing NM_001282378

Red=Cloning site Green=Tags(s)

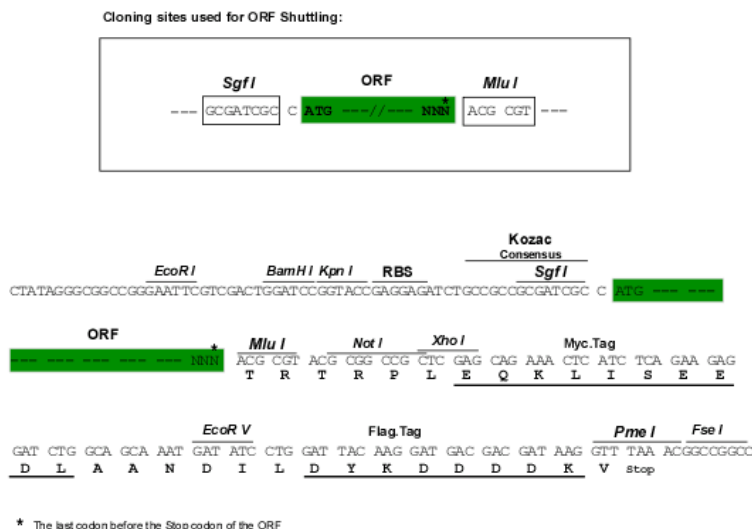
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LPPRLGICLDYERGRVSFLDAVSFRGLLECPDSCGPVCPAFCFIGGGAVQLQEPVGTKPERKVTIGGFA
KID

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Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 001282378

ORF Size: 1899 bp

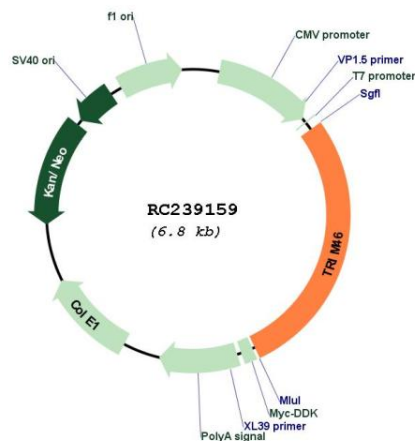
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001282378.1, NP_001269307.1</u>
RefSeq Size:	2979 bp
RefSeq ORF:	1902 bp
Locus ID:	80128
UniProt ID:	<u>Q7Z4K8</u>
Cytogenetics:	1q22
Protein Families:	Druggable Genome
MW:	70 kDa
Gene Summary:	Microtubule-associated protein that is involved in the formation of parallel microtubule bundles linked by cross-bridges in the proximal axon. Required for the uniform orientation and maintenance of the parallel microtubule fascicles, which are important for efficient cargo delivery and trafficking in axons. Thereby also required for proper axon specification, the establishment of neuronal polarity and proper neuronal migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239159