

## Product datasheet for **RC234769**

### **TRIM46 (NM\_001256600) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TRIM46 (NM_001256600) 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:**

>RC234769 representing NM\_001256600  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGCGAAGAGAGGGACCAAGACCAGCATGAAGAACATGGAGAAGGAACTGCTGTGCCAGTGTGTC  
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 CTTGGGCCAGCAGGGCTACATAGGACATGGTGGGGACCCAGCTCCGAGCCACCTCTCCTGCCTCCACC  
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 GCGACTAAGCTGAGAGGAAAGTACCATTGGGGGCTTCGCAAGCTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >RC234769 representing NM\_001256600  
 Red=Cloning site Green=Tags(s)

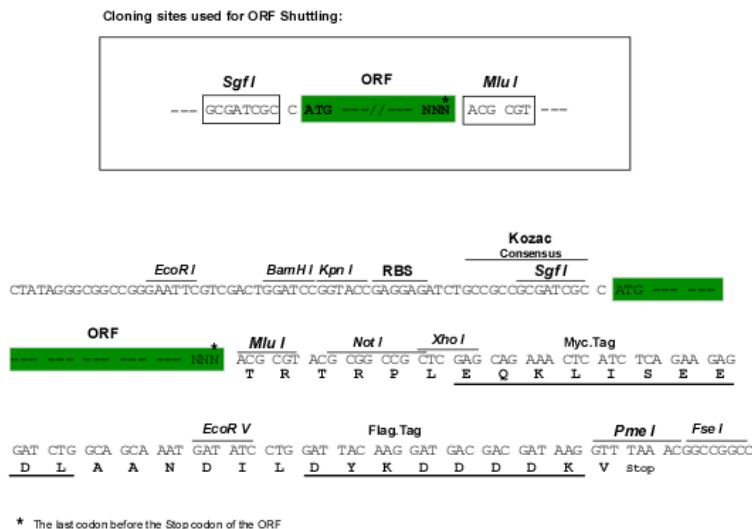
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 TEALQTFRPAASSFRHCQLDVGREMKLLTELNFLRVPEAPVIDTQRTFAYDQIFLCWRLPPHSPPAWHY  
 TVEFRRTDVPAPGPTRWQRREEVRGTSALLENPDTGSVYVLRVRCNKAGYGEYSEDVHLHTPPAPVLH  
 FFLDSRWGASRERLAISKDQRAVRSVPLPLLLAADRLLTGCHLSVDVVLGDVAVTQGRSYWACAVDPAS  
 YLVKVGVGLESKLQESFQGAPDVISPRYDPDSGHDSGAEDATVEASPPFAFLTIGMGKILLGSGASSNAG  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001256600

**ORF Size:** 2151 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.

**RefSeq:** [NM\\_001256600.1](#), [NP\\_001243529.1](#)

**RefSeq Size:** 3195 bp

**RefSeq ORF:** 2154 bp

**Locus ID:** 80128

**UniProt ID:** [Q7Z4K8](#)

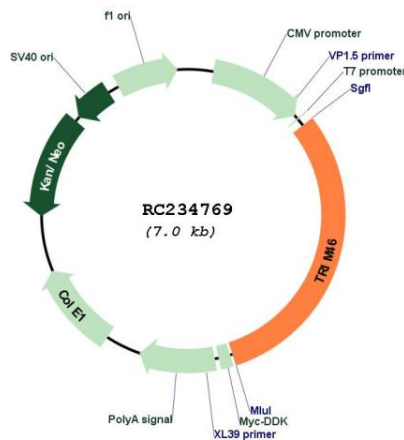
**Cytogenetics:** 1q22

**Protein Families:** Druggable Genome

**MW:** 79.3 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 RC234769