

## Product datasheet for **SC336760**

### TRIM46 (NM\_001282379) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM46 (NM_001282379) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM46
Synonyms:	GENEY; TRIFIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



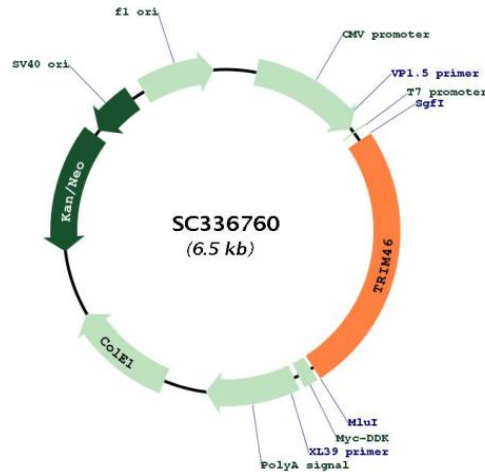
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**Fully Sequenced ORF:** >SC336760 representing NM\_001282379.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGAGGGTGAGGATATGCAGACCTTCACTTCCATCATGGACGCACTGGTCCGCATCAGTACCAGC
ATGAAGAACATGGAGAAGGAAGTGTGTGCCAGTGTGTCAAGAGATGTACAAGCAGCCACTGGTGTCTG
CCCTGTACCCACAACGTGTGCCAGGCCTGTGCCGAGAGGTCTTGGGCCAGCAGGGCTACATAGGACAT
GGTGGGGACCCAGCTCCGAGCCACCTCTCCTGCCTCCACCCCTTCCACCCGCAGCCCCCGCTCTCC
CGCAGAATCTCCCAAGCCAGACCCTGGACCGGCTGCTTAAGTCAGGCTTTGGGACATACCCTGGG
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CAGCGCACCTTTGCCTATGATCAGATCTTCTGTGCTGGCGGCTGCCCCCCATTACCACCTGCCTGG
CACTATACCGTTGAGTTCGGCGCACGGATGTGCCTGCTCAGCCAGGCCCCACCCGCTGGCAGCGGCGG
GAGGAGGTGAGGGGACACAGTGCCTGCTTGAACCCCGACACGGGCTCTGTGTATGTGCTGCGTGTG
CGCGGCTGCAACAAGGCCGGCTACGGCGAATACAGTGAAGATGTGCACCTGCACACGCCCCCGCACCT
GGAATACAAAACCTTAGCCAGGCGTGGTGGTGCCTACAATCCAGTACTCGGGAGGCTGAGGTAG
```

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

**Restriction Sites:** Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_001282379

**Insert Size:** 1656 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\\_001282379.1](#)

**RefSeq Size:** 1964 bp

**RefSeq ORF:** 1656 bp

**Locus ID:** 80128

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

**Cytogenetics:** 1q22

**Protein Families:** Druggable Genome

**MW:** 61.8 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]

Transcript Variant: This variant (8) uses an alternate 3' exon structure and thus differs in the 3' coding region and 3' UTR compared to variant 1. The encoded isoform (6) is shorter and has a distinct C-terminus, compared to isoform 1.