

Product datasheet for **SC305225**

TRIM46 (NM_025058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM46 (NM_025058) 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)

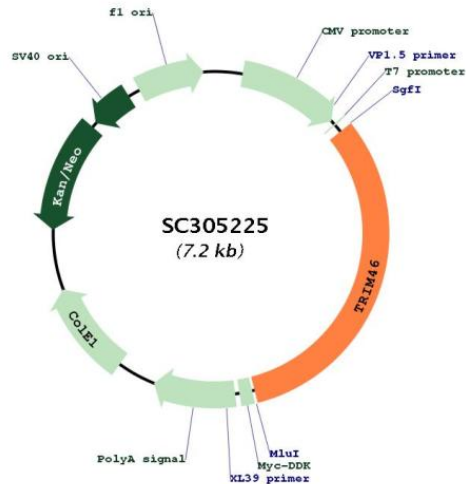


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Fully Sequenced ORF: >SC305225 representing NM_025058.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
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ATGAAGAACATGGAGAAGGAAGTGTGCCAGGCTGTGCCAGTGTGTCAAGAGATGTACAAGCAGCCACTGGTGTG
CCCTGTACCCACAACGTGTGCCAGGCTGTGCCGAGAGGTCTTGGGCCAGCAGGGCTACATAGGACAT
GGTGGGGACCCAGCTCCGAGCCACCTCTCCTGCCTCCACCCCTTCCACCCGCAGCCCCCGCTCTCC
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TGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_025058

Insert Size: 2280 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_025058.4](#)

RefSeq Size: 3241 bp

RefSeq ORF: 2280 bp

Locus ID: 80128

UniProt ID: [Q7Z4K8](#)

Cytogenetics: 1q22

Protein Families: Druggable Genome

MW: 83.4 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 (1) encodes the longest isoform (1).