

Product datasheet for **RC223399**

TRIM46 (NM_025058) Human Tagged ORF Clone

Product data:

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

>RC223399 representing NM_025058
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCAGAGGGTGAGGATATGCAGACCTTCACTTCCATCATGGACGCACTGGTCCGCATCAGTACCAGCA
TGAAGAACATGGAGAAGGAACTGCTGTGCCAGTGTGTCAAGAGATGTACAAGCAGCCACTGGTGCCTGCC
CTGTACCCACAACGTGTGCCAGGCCTGTGCCCGAGAGGTCTTGGGCCAGCAGGGGTACATAGGACATGGT
GGGGACCCAGCTCCGAGCCACCTCTCCTGCCTCCACCCCTTCCACCCGAGCCCGCCCTCTCCCGCA
GAACTCTCCCAAGCCAGACCGCTGGACCGGTGCTTAAAGTCAGGCTTTGGGACATACCCTGGGAGGAA
GCGAGGTGCTTTGCACCCCAAGTATCATGTTCCCGTCCCAGCCTGCCAAGGTGATGTGGAGCTTGGG
GAGCGGGTCTGGCAGGGCTTTCCGGAACCTGACCTGGAGCGTGTGGTGGAGCGGTACCGCCAGAGTG
TGAGTGTGGGAGGTGCCATCCTGTGCCAGTTGTCAAGCCCCACCACTAGAGGCCACCAAGGGCTGCAC
AGAGTGCCGCGCCACCTTCTGCAATGAGTGCTTCAAGCTTCCACCCCTGGGGCACCCAGAAGGCCAG
CATGAGCCACCCCTGCCTACCCTCTCCTCCGACCCAAGGGCCTTATGTGCCAGACCACAAGGAAGAGG
TGACCCACTACTGCAAGACATGCCAACGCCTGGTATGTCAACTCTGCCGGGTGCGGCGCACCCACAGCGG
GCACAAGATCACACCACTGCTCAGTGCCTACCAGGCCCTCAAGGACAAGCTGACAAGAGCCTGACATAC
ATCCTGGGAAACCAGGACACGGTACAGACCCAGATCTGTGAGCTGGAGGAGGCGGTGAGGCACACCGAGG
TGAGTGGTCAGCAGGCCAAGGAGGAGGTGTGCGAGCTGGTGGGGGGTGGGGGCTGTGCTGGAGGAGAA
GCGGGCATCACTGCTTCAGGCCATTGAAGAATGCCAGCAGGAGCGGTGGCCCGTCTCAGCGCCAGATC
CAGGAGCACCGGAGCCTGCTGGATGGCTCAGGTCTGGTGGGTATGCCAGGAAGTACTTAAGGAAACAG
ACCAGCCTTGCTTTGTGCAAGCCGCAAGCAGCTGCACAACAGGATTGCCCGAGCCACTGAAGCCCTCA
GACATTCGCGCCAGCTGCCAGCTCCTCCTCCGCCATTGCCAGCTCGACGTGGGACGTGAGATGAAGCTG
CTGACAGAGCTTAACTTCTGCGAGTGCCTGAGGCCCGGTCATTGACACCCAGCGCACCTTTGCCTATG
ATCAGATCTTCTGTGCTGGCGGCTGCCCCCATTACCCACCTGCCTGGCACTATACCCTTGAGTCCG
GCGCACGGATGTGCTGCTCAGCCAGGCCCCACCCGCTGGCAGCGGCGGGAGGAGGTGAGGGGCACCACT
GCCCTGCTTGAGAACCCGACACGGGCTCTGTGTATGTGCTGCGTGTCCGCGGCTGCAACAAGGCCGGCT
ACGGCGAATACAGTGAAGATGTGCACCTGCACACGCCCCGGCACCTGCTCCTGCCTTCTCCTCGATAG
CCGCTGGGGCGCAAGCCGAGAGCGGCTGGCTATCAGCAAGGACCAGCGAGCAGTACGGAGTGTCCAGGG
CTGCCCTGCTGCTGGCTGCTGACCGGCTGCTGACCGGCTGCCACCTGAGTGTGGATGTGGTCTGGGCG
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GACCCGGACAGCGGGCACGACAGCGGTGCCGAGGATGCCACAGTGGAGGCGTCCGACCCCTTCGCTTTCC
TAACCATTTGGCATGGGCAAGATCCTGCTGGGGTCCGGGGCAAGCTCAAACGCAGGGCTGACAGGGAGGGA
TGGCCCCACAGCCGGCTGCACAGTGCCTGCCACCCGCTGGGCATCTGCCTGGACTATGAGCGGGGC
CGGTTTCTCCTGGATGCTGTTTCTTCCGTGGGCTCTTGGAGTGCCCCCTGGACTGCTCAGGGCCTG
TGTGCCCTGCCTTTGCTTATCGGGGGTGGCGCAGTACAGCTCCAGGAGCCAGTGGGCACTAAGCCTGA
GAGGAAAGTCACCATTGGGGGCTTCGCCAAGCTGGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223399 representing NM_025058
Red=Cloning site Green=Tags(s)

MAEGEDMQTFTSIMDALVRISTSMKNMEKELLCPVCQEMYQPLVLPCTHNVCQACAREVLGQQGYIGHG
 GDPSSSEPTSPASTPSTRSPRLSRRTLKPKDRLDRLKSGFGTYPGRKRGALHPQVIMFPCPACQGDVELG
 ERGLAGLFRNLTLERVVERYRQSVSVGGAILCQLCKPPPLEATKGCTECRATFCNECFKLFHPWGTQKAQ
 HEPTLPTLSFRPKGLMCPDHKEEVTHYCKTCQRLVCQLCRVRRTHSGHKITPVL SAYQALKDKLTKSLTY
 ILGNQDVTQIQICELEEA VRHTEVSGQQAKEEVSQ LVRGLGAVLEEKRASLLQAIEECQQRRLARLSAQI
 QEHRSLLDGSGLVGYAQEVLKETDQPCFVQAAKQLHNRIARATEALQTFRPAASSFRHCQLDVGREMKL
 LTELNFLRVPEAPVIDTQRTFAYDQIFLCWRLPPHSPPAWHYTVEFRRTDPAQPGPTRWQRREEVRGTS
 ALLENPD TGSVYVLRVRCNKAGYGEYSEDVHLHTPPAPVLHFFLD SRWGASRERLAISKDQRAVRSVPG
 LPLLLAADRLLTGCHLSVDVVLGDVAVTQGRSYWACAVDPASYLVKVGVGLESKLQESFQAGPDI SPRY
 DPDSGHDSGAEDATVEASPPFAFLTIGMGKILLGSGASSNAGLTGRDGPTAGCTVPLPRLGICLDYER
 RVSFLDAVSFRGLLECPLDCSGPVPACFCFIGGAVQLQEPVGTKPERKVTIGGFAKLD

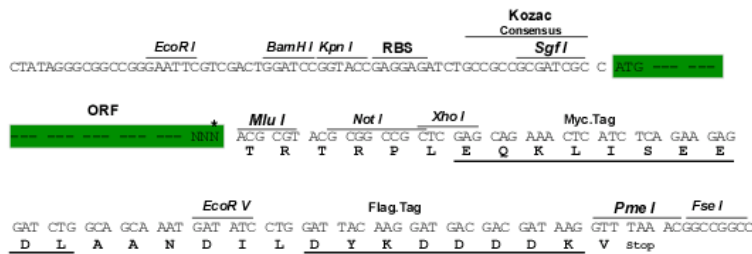
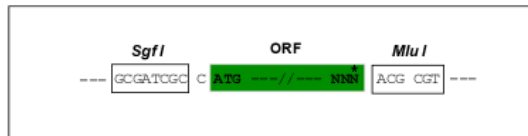
TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8047_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025058

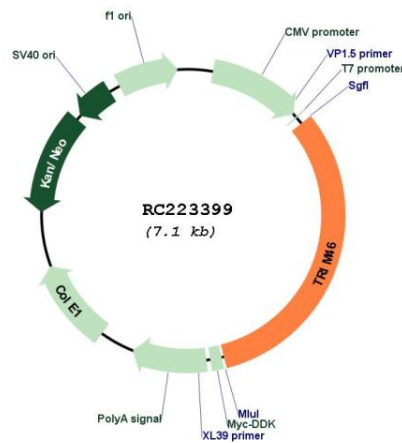
ORF Size: 2277 bp

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:	<ol style="list-style-type: none"> 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:	<u>NM_025058.5</u>
RefSeq Size:	3142 bp
RefSeq ORF:	2280 bp
Locus ID:	80128
UniProt ID:	<u>Q7Z4K8</u>
Cytogenetics:	1q22
Protein Families:	Druggable Genome
MW:	83.2 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 RC223399