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Product datasheet for RG223399

TRIM46 (NM_025058) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRIM46
Synonyms:	GENEY; TRIFIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG223399 representing NM_025058
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGAGGGTGAGGATATGCAGACCTTCACTTCCATCATGGACGCACTGGTCCGCATCAGTACCAGCA
TGAAGAACATGGAGAAGGAACTGCTGTGCCCAGTGTGTCAAGAGATGTACAAGCAGCCACTGGTGCTGCC
CTGTACCCACAACGTGTGCCAGGCCTGTGCCCGAGAGGTCTTGGGCCAGCAGGGCTACATAGGACATGGT
GGGGACCCCAGCTCCGAGCCCACCTCTCCTGCCTCCACCCCTTCCACCCGCAGCCCCCGCCTCTCCCGCA
GAACTCTCCCCAAGCCAGACCGCCTGGACCGGCTGCTTAAGTCAGGCTTTGGGACATACCCTGGGAGGAA
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GAGCGGGGTCTGGCAGGGCTTTTCCGGAACCTGACCCTGGAGCGTGTGGTGGAGCGGTACCGCCAGAGTG
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CATGAGCCCACCCTGCCTACCCTCTCCTTCCGACCCAAGGGCCTTATGTGCCCAGACCACAAGGAAGAGG
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ATCCTGGGAAACCAGGACACGGTACAGACCCAGATCTGTGAGCTGGAGGAGGCCGTGAGGCACACCGAGG
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ACCAGCCTTGCTTTGTGCAAGCCGCCAAGCAGCTGCACAACAGGATTGCCCGAGCCACTGAAGCCCTCCA
GACATTCCGGCCAGCTGCCAGCTCCTCCTTCCGCCATTGCCAGCTCGACGTGGGACGTGAGATGAAGCTG
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GCCCTGCTTGAGAACCCCGACACGGGCTCTGTGTATGTGCTGCGTGTCCGCGGCTGCAACAAGGCCGGCT
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CCGCTGGGGCGCAAGCCGAGAGCGGCTGGCTATCAGCAAGGACCAGCGAGCAGTACGGAGTGTTCCAGGG
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GACCCGGACAGCGGGCACGACAGCGGTGCCGAGGATGCCACAGTGGAGGCGTCGCCACCCTTCGCTTTCC
TAACCATTGGCATGGGCAAGATCCTGCTGGGGTCGGGGGCAAGCTCAAACGCAGGGCTGACAGGGAGGGA
TGGCCCCACAGCCGGCTGCACAGTGCCCCTGCCACCCCGCCTGGGCATCTGCCTGGACTATGAGCGGGGC
CGGGTTTCCTTCCTGGATGCTGTTTCCTTCCGTGGGCTCTTGGAGTGCCCCCTGGACTGCTCAGGGCCTG
TGTGCCCTGCCTTTTGCTTCATCGGGGGTGGCGCAGTACAGCTCCAGGAGCCAGTGGGCACTAAGCCTGA
GAGGAAAGTCACCATTGGGGGCTTCGCCAAGCTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

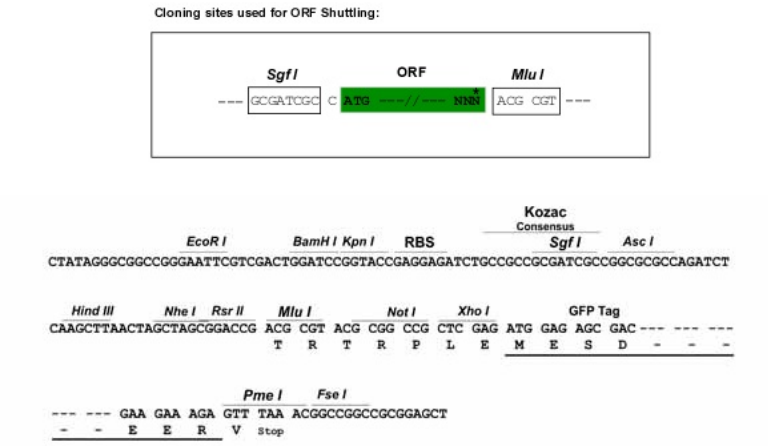
>RG223399 representing NM_025058
Red=Cloning site Green=Tags(s)

MAEGEDMQTFTSIMDALVRISTSMKNMEKELLCPVCQEMYKQPLVLPCTHNVCQACAREVLGQQGYIGHG
GDPSSEPTSPASTPSTRSPRLSRRTLPKPDRLDRLLKSGFGTYPGRKRGALHPQVIMFPCPACQGDVELG
ERGLAGLFRNLTLERVVERYRQSVSVGGAILCQLCKPPPLEATKGCTECRATFCNECFKLFHPWGTQKAQ
HEPTLPTLSFRPKGLMCPDHKEEVTHYCKTCQRLVCQLCRVRRTHSGHKITPVLSAYQALKDKLTKSLTY
ILGNQDTVQTQICELEEAVRHTEVSGQQAKEEVSQLVRGLGAVLEEKRASLLQAIEECQQERLARLSAQI
QEHRSLLDGSGLVGYAQEVLKETDQPCFVQAAKQLHNRIARATEALQTFRPAASSSFRHCQLDVGREMKL
LTELNFLRVPEAPVIDTQRTFAYDQIFLCWRLPPHSPPAWHYTVEFRRTDVPAQPGPTRWQRREEVRGTS
ALLENPDTGSVYVLRVRGCNKAGYGEYSEDVHLHTPPAPVLHFFLDSRWGASRERLAISKDQRAVRSVPG
LPLLLAADRLLTGCHLSVDVVLGDVAVTQGRSYWACAVDPASYLVKVGVGLESKLQESFQGAPDVISPRY
DPDSGHDSGAEDATVEASPPFAFLTIGMGKILLGSGASSNAGLTGRDGPTAGCTVPLPPRLGICLDYERG
RVSFLDAVSFRGLLECPLDCSGPVCPAFCFIGGGAVQLQEPVGTKPERKVTIGGFAKLD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025058

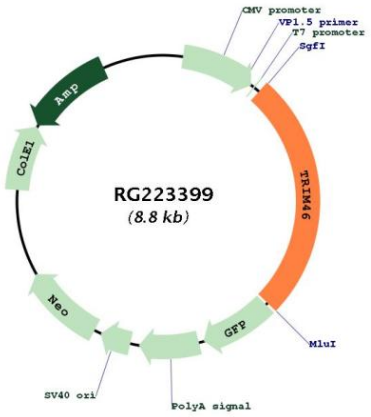
ORF Size: 2277 bp

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:	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:	NM_025058.5
RefSeq Size:	3142 bp
RefSeq ORF:	2280 bp
Locus ID:	80128
UniProt ID:	Q7Z4K8
Cytogenetics:	1q22
Protein Families:	Druggable Genome
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 RG223399