

Product datasheet for **RG238866**

TRIM46 (NM_001282379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM46 (NM_001282379) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM46
Synonyms:	GENEY; TRIFIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238866 representing NM_001282379.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCAGAGGGTGAGGATATGCAGACCTCACTTCCATCATGGACGCACTGGTCCGCATCAGTACCAGC
ATGAAGAACATGGAGAAGAACTGCTGTGCCAGTGTGCCAGAGATGTACAAGCAGCCACTGGTGTG
CCCTGTACCCACAACGTGTGCCAGGCCTGTGCCGAGAGGTCTTGGGCCAGCAGGGCTACATAGGACAT
GGTGGGGACCCAGCTCCGAGCCACCTCTCCTGCCTCCACCCTTCCACCCGACGCCCCGCTCTCC
CGCAGAACTCTCCCAAGCCAGACCCGCTGGACCGGCTGCTTAAGTCAGGCTTTGGGACATACCCTGGG
AGGAAGCGAGGTGCTTTGCACCCCAAGTGATCATGTTCCCGTGCCAGCCTGCCAAGGTGATGTGGAG
CTTGGGGAGCGGGTCTGGCAGGGCTTTCCGGAACCTGACCCTGGAGCGTGTGGTGGAGCGGTACCGC
CAGAGTGTGAGTGTGGAGGTGCCATCCTGTGCCAGTTGTGAAGCCCCACCCTAGAGGCCACCAAG
GGCTGCACAGAGTGCCGCGCCACCTTCTGCAATGAGTGTCAAGCTCTCCACCCTGGGGACCCAG
AAGGCCAGCATGAGCCACCCTGCCTACCCTCTCCTTCCGACCAAGGGCTTATGTGCCAGACCAC
AAGGAAGAGGTGACCCACTACTGCAAGACATGCCAACGCCTGGTATGTCAACTCTGCCGGGTGCGGCGC
ACCCACAGCGGGCACAAGATCACACCAGTGCTCAGTGCCTACCAGGCCCTCAAGGACAAGCTGACAAAG
AGCCTGACATACATCCTGGGAAACCAGGACACGGTACAGACCCAGATCTGTGAGCTGGAGGAGGCCGTG
AGGCACACCGAGGTGAGTGGTCAGCAGGCCAAGGAGGAGTGTGCAGCTGGTGCGGGGCTGGGGCT
GTGCTGGAGGAGAAGCGGGCATCACTGCTTCAAGCCATTGAAGAATGCCAGCAGGAGCGGCTGGCCCGT
CTCAGCGCCAGATCCAGGAGCACCGAGCCTGCTGGATGGCTCAGGTCTGGTGGCTATGCCAGGAA
GTACTTAAGGAAACAGACCAGCCTTGTCTTGTGAAGCCGCAAGCAGCTGCACAACAGGATTGCCCGA
GCCATGAAGCCCTCCAGACATTCGGCCAGCTGCCAGCTCCTCCTTCCGCCATTGCCAGCTCGAGTG
GGACGTGAGATGAAGCTGCTGACAGAGCTTAACCTCCTGCGAGTGCCTGAGGCCCCCGTCAATTGACACC
CAGCGCACCTTTGCCTATGATCAGATCTTCTGTGCTGGCGGCTGCCCCCCATTACCACCTGCCTGG
CACTATACCGTTGAGTTCGCGGCACGGATGTGCCTGCTCAGCCAGGCCCCACCCGCTGGCAGCGCGG
GAGGAGGTGAGGGGACACAGTGCCTGCTTGAACCCCGACACGGGCTCTGTGTATGTGCTGCGTGTG
CGCGGCTGCAACAAGCCGGCTACGGCGAATACAGTGAAGATGTGCACCTGCACACGCCCCGGCACCT
GGAATACAAAACCTAGCCAGGCGTGGTGGTGCCTACAATCCAGCTACTCGGGAGGCTGAGG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238866
 Blue=ORF Red=Cloning site Green=Tag(s)

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MAEGEDMQTFTSIMDALVRISTSMKMEKELLCPVCQEMYKQPLVLPCTHNVQACAREVLGQQGYIGH
GGDPSSEPTSPASTPSTRSPRLSRRTLKPKDRLDRLKSGFGTYPGRKRGALHPQVIMFPCPACQGDVE
LGERGLAGLFRNLTLERVVERYRQSVSVGGAILCQLCKPPLEATKGCTECRATFCNECFKLFHPWGTQ
KAQHEPTLPTLSFRPKGLMCPDHKEEVTHYCKTCQRLVCQLCRVRRTHSGHKITPVL SAYQALKDKLTK
SLTYILGNQDTVQTQICELEEAVRHTEVSGQAKEEVSQQLVRGLGAVLEEKRASLLQAIEECQERLAR
LSAQIQEHRSLLDGSGLVGQAQEVKQDQPCFVQAAKQLHNRIARATEALQTFRPAASSFRHCQLDV
GREMKLLTELNLRVPEAPVIDTQRTFAYDQIFLCWRLPPHSPPAWHYTFEFRRTDVPAQPGPTRWQRR
EEVRGTSALLENPDTGSVYVLRVRCNKAGYGEYSEDVHLHTPPAPIQNLARRGGAQLQFLLGRLR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001282379

ORF Size: 1653 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).

RefSeq: [NM_001282379.2](#)

RefSeq Size: 1964 bp

RefSeq ORF: 1656 bp

Locus ID: 80128

UniProt ID: [Q7Z4K8](#)

Cytogenetics: 1q22

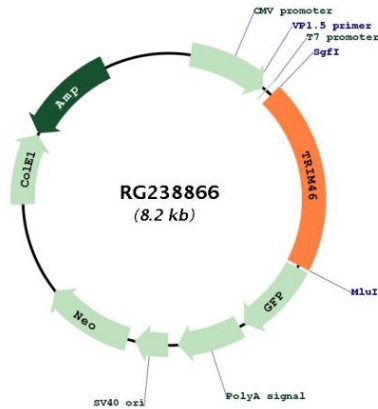
Protein Families: Druggable Genome

MW: 62.2 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 RG238866