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Product datasheet for SC337053

TRIM46 (NM_001282378) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM46 (NM_001282378) 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)

Fully Sequenced ORF:

>SC337053 representing NM_001282378.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCCGTGCCCAGCCTGCCAAGGTGATGTGGAGCTTGGGGAGCGGGGTCTGGCAGGGCTTTTCCGG
AACCTGACCCTGGAGCGTGTGGTGGAGCGGTACCGCCAGAGTGTGAGTGTGGGAGGTGCCATCCTGTGC
CAGTTGTGCAAGCCCCCACCACTAGAGGCCACCAAGGGCTGCACAGAGTGCCGCGCCACCTTCTGCAAT
GAGTGCTTCAAGCTCTTCCACCCCTGGGGCACCCAGAAGGCCCAGCATGAGCCCACCCTGCCTACCCTC
TCCTTCCGACCCAAGGGCCTTATGTGCCCAGACCACAAGGAAGAGGTGACCCACTACTGCAAGACATGC
CAACGCCTGGTATGTCAACTCTGCCGGGTGCGGCGCACCCACAGCGGGCACAAGATCACACCAGTGCTC
AGTGCCTACCAGGCCCTCAAGGACAAGCTGACAAAGAGCCTGACATACATCCTGGGAAACCAGGACACG
GTACAGACCCAGATCTGTGAGCTGGAGGAGGCCGTGAGGCACACCGAGGTGAGTGGTCAGCAGGCCAAG
GAGGAGGTGTCGCAGCTGGTGCGGGGGCTGGGGGCTGTGCTGGAGGAGAAGCGGGCATCACTGCTTCAG
GCCATTGAAGAATGCCAGCAGGAGCGGCTGGCCCGTCTCAGCGCCCAGATCCAGGAGCACCGGAGCCTG
CTGGATGGCTCAGGTCTGGTGGGCTATGCCCAGGAAGTACTTAAGGAAACAGACCAGCCTTGCTTTGTG
CAAGCCGCCAAGCAGCTGCACAACAGGATTGCCCGAGCCACTGAAGCCCTCCAGACATTCCGGCCAGCT
GCCAGCTCCTCCTTCCGCCATTGCCAGCTCGACGTGGGACGTGAGATGAAGCTGCTGACAGAGCTTAAC
TTCCTGCGAGTGCCTGAGGCCCCCGTCATTGACACCCAGCGCACCTTTGCCTATGATCAGATCTTCCTG
TGCTGGCGGCTGCCCCCCCATTCACCACCTGCCTGGCACTATACCGTTGAGTTCCGGCGCACGGATGTG
CCTGCTCAGCCAGGCCCCACCCGCTGGCAGCGGCGGGAGGAGGTGAGGGGCACCAGTGCCCTGCTTGAG
AACCCCGACACGGGCTCTGTGTATGTGCTGCGTGTCCGCGGCTGCAACAAGGCCGGCTACGGCGAATAC
AGTGAAGATGTGCACCTGCACACGCCCCCGGCACCTGTCCTGCACTTCTTCCTCGATAGCCGCTGGGGC
GCAAGCCGAGAGCGGCTGGCTATCAGCAAGGACCAGCGAGCAGTACGGAGTGTTCCAGGGCTGCCCCTG
CTGCTGGCTGCTGACCGGCTGCTGACCGGCTGCCACCTGAGTGTGGATGTGGTCCTGGGCGACGTGGCT
GTGACCCAGGGCCGCAGCTACTGGGCCTGCGCCGTAGACCCAGCCTCCTACTTGGTCAAGGTGGGCGTC
GGGCTGGAGAGCAAGCTTCAAGAAAGTTTCCAGGGTGCCCCCGATGTGATCAGCCCCAGGTACGACCCG
GACAGCGGGCACGACAGCGGTGCCGAGGATGCCACAGTGGAGGCGTCGCCACCCTTCGCTTTCCTAACC
ATTGGCATGGGCAAGATCCTGCTGGGGTCGGGGGCAAGCTCAAACGCAGGGCTGACAGGGAGGGATGGC
CCCACAGCCGGCTGCACAGTGCCCCTGCCACCCCGCCTGGGCATCTGCCTGGACTATGAGCGGGGCCGG
GTTTCCTTCCTGGATGCTGTTTCCTTCCGTGGGCTCTTGGAGTGCCCCCTGGACTGCTCAGGGCCTGTG
TGCCCTGCCTTTTGCTTCATCGGGGGTGGCGCAGTACAGCTCCAGGAGCCAGTGGGCACTAAGCCTGAG
AGGAAAGTCACCATTGGGGGCTTCGCCAAGCTGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001282378

Insert Size: 1902 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_001282378.1
RefSeq Size:	2979 bp
RefSeq ORF:	1902 bp
Locus ID:	80128
UniProt ID:	Q7Z4K8
Cytogenetics:	1q22
Protein Families:	Druggable Genome
MW:	69.6 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 (6) uses an alternate 5' exon structure and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (5) with a shorter N-terminus, compared to isoform 1.