

Product datasheet for **MC221410**

Trim46 (NM_183037) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim46 (NM_183037) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim46
Synonyms:	TRIFIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221410 representing NM_183037
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGAGGGTGAAGATATGCAGACCTTCACTTCCATCATGGATGCACTAGTCCGCATCAGTACAAGCA
 TGAAGAACATGGAGAAGGAACTGCTGTGCCAGTGTGCCAAGAGATGTACAAGCAGCCACTAGTGCCTGCC
 TTGTACCCACAACGTGTGCCAGGCCTGTGCCCGGAGGTTTTGGGCCAGCAGGGGTACATAGGCCATGGT
 GGGGATCCGAGTTCGGAGCCCACTTCTCCTGCTTCCACCCCTTCTACCCGAGCCCCGCCTCTCTCGGA
 GAACTCTCCCAAGCCAGATCGCTTGGACCGGCTCCTTAAGTCAGGCTTTGGGACATACCCTGGGCGGAA
 GCGTGGTGCCTTGACCCCCAGACGATCCTATTCCCGTGCCAGCCTGCCAAGGCATGTGGAGCTGGGG
 GAGAGGGGCTTTCCGGGCTTTCCGAAACCTGACCTAGAGCGAGTGGTGGAGAGGTACCGCCAGAGTG
 TGAGTGTGGGAGGAGCCATCCTGTGCCAGTTGTCAAGCCCCCACCCTAGAGGCCACCAAGGGCTGCAC
 AGAGTGTGAGCTACCTTCTGTAAACGAATGCTTCAAGCTTCCACCCCTGGGGCACTCAGAAGGCGCAG
 CATGAGCCACGCTACCCACTCTTTCATTCGCCCCAAGGGTCTGATGTGTCCAGACCACAAGGAAGAGG
 TGACCCACTACTGTAAGACATGTCAACGACTGGTGTGCCAACTCTGCAGAGTACGGCGTACCCACAGTGG
 GCACAAGATCACACCACTGCTCAGTGCCTACCAGGCCCTCAAGGATAAGCTAACAAAGAGCCTGGCATA
 ATCTTGGGAAACCAGGACACTGTGCAGACCCAGATTTGTGAGCTGGAAAGAGACCATCAGGCACACTGAGG
 TGAGTGGTCAGCAAGCAAAGAGGAGGTGTCCAGCTGGTTCGGGGACTAGGGGCTGTGCTGGAAGAGAA
 GCGGGCTCACTGCTTCAGGCCATTGAAGAATGCCAGCAAGAGCGCTTATCCCGCTCAGCGCCAGATC
 CATGAACACCAGAGCCTGCTGGATGGCTCGGGTCTGGTGGTTATGCCAGGAAGTCTTAAGGAAACAG
 ACCAGCCTTGTTTTGTACAAGCAGCCAAACAGCTGCATAACAGGATTGCCCGAGCCACTGAGGCCCTCCA
 GACATTCGCGCCAGCTGCCAGCTCCTCCTCCGCCACTGCCAGCTGGATGTGGGGCTGAGATGAAGCTG
 TTGACCGAGCTTAGCTTCTGAGAGTGCCCGAGGCGCCGTCATAGACACCCAACGCACCTTTGCCTATG
 ATCAAATCTTCTGTGCTGGCGGCTGCCCCCTCACTCACCACTGCCTGGCATTACACCGTTGAGTCCG
 GCGCACAGATGTCCCGCCAGCCAGGCCCTACACGCTGGCAGCGCCGGGAAGAGGTGAGGGGACCAGC
 GCCCTTCTGAGAACCCGACACGGGCTCTGTGTACGTGCTGCGTGTCCGTGGCTGCAACAAGGCTGGCT
 ACGGAGAGTACAGTGAAGATGTGCACCTGCACACACCCAGCCCTGCTCTGCCTTCTCCTTGATGG
 CCGCTGGGGTGCAGCCGAGAGCGGCTAGCCATCAGCAAGGACCAGCGAGCGGTGCGGAGTATCCAGGG
 CTTCCCTTGTGCTGGCTGCTGAGCGGCTGCTCACGGGCTGCCACCTGAGTGTGGACGTGGTCTTGGGTG
 ATGTGGCTGTGACCCAGGCGCAGCTACTGGGCTGTGCGGTAGACCCTGCCTCCTACTTGGTCAAGGT
 GGGCGTGGGCTGGAGAGCAAATTCAGGAAAGCTTCCAGGGTGCCCGGATGTGATCAGCCCCAGATAC
 GACCCGGACAGTGGGCACGACAGCGGTGCCGAGGACGCTGCCGTGGAGGCGTTACCACCTTTGCTTTCC
 TGACCATCGGCATGGGCAAGATCCTGCTGGGTTCCGGAGCGAGTTCATGCAGGGCTGACAGGGAGGGA
 TGGCCCCACCGCCAGCTGCACAGTGCCCTGCCACCCCGCTAGGTATCTGTTTGGACTACGAGCGGGGG
 CGGGTCTCCTTCTGGATGCCGTGCTTCCGTGGGCTGCTCAGTGGCCCTGGACTGCTCAGGGCCTG
 TGTGCCCTGCCTTCTGCTTCAATGGGGTGGCGCTGTTCAAGTGCAGGAGCCCGTGGGCACCAAGCCTGA
 GAGGAAAGTCACCATTGGGGCTTTGCCAACTGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_183037
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).
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:	NM_183037.2 , NP_898858.1
RefSeq Size:	3132 bp
RefSeq ORF:	2280 bp
Locus ID:	360213
UniProt ID:	Q7TNM2
Cytogenetics:	3 F1
Gene Summary:	<p>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 formation, the establishment of neuronal polarity and proper neuronal migration.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) encodes the longer isoform (2).</p>