

Product datasheet for **MR206757**

Trim46 (BC065049) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim46 (BC065049) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim46
Synonyms:	TRIFIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206757 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAACATGGAGAAGGAAGTCTGTGCCAGTGTGCCAAGAGATGTACAAGCAGCCACTAGTGCTGC
 CTTGTACCCACAACGTGTGCCAGGCCTGTGCCGGGAGGTTTTGGGCCAGCAGGGGTACATAGGCCATGG
 TGGGGATCCGAGTTCGGAGCCCACTTCTCTGCTTCCACCCCTTACCCGCAGCCCCCGCCTCTCTCGG
 AGAACTCTCCCAAGCCAGATCGCTTGGACCGGCTCCTTAAGTCAGGCTTTGGGACATACCTGGGCGGA
 AGCGTGGTGCCTTGACCCCCAGACGATCCTATCCCGTGCCAGCCTGCCAAGGCGATGTGGAGCTGGG
 GGAGAGGGGCTTTCCGGGCTTTCCGAAACCTGACCCTAGAGCGAGTGGTGGAGAGGTACCGCCAGAGT
 GTGAGTGTGGGAGGAGCCATCCTGTGCCAGTTGTGCAAGCCCCACCCTAGAGGCCACCAAGGGCTGCA
 CAGAGTGTGAGCTACCTTCTGTAACGAATGCTTCAAGCTTCCACCCCTGGGGCACTCAGAAGGCGCA
 GCATGAGCCACGCTACCCACTTTTCATTCCGCCCAAGGGTCTGATGTGTCCAGACCACAAGGAAGAG
 GTGACCCACTACTGTAAGACATGTCAACGACTGGTGTGCCAACTCTGCAGAGTACGGCGTACCCACAGTG
 GGCACAAGATCACACCAGTGTCTAGTGCCTACCAGGCCCTCAAGGATAAGCTAACAAAGAGCCTGGCATA
 CATCTTGGGAAACCAGGACACTGTGCAGACCCAGATTTGTGAGCTGGAAGAGACCATCAGGCACACTGAG
 GTGAGTGGTCAGCAAGCAAAAGAGGAGGTGTCCAGCTGGTTCGGGGACTAGGGGCTGTGCTGGAAGAGA
 AGCGGGCTCACTGCTTCAGGCCATTGAAGAATGCCAGCAAGAGCGCTTATCCCGCTCAGCGCCAGAT
 CCATGAACACCAGAGCCTGCTGGATGGCTCGGGTCTGGTGGGTTATGCGCAGGAAGTCTTAAGGAAACA
 GACCAGCCTTGTGTTGTACAAGCAGCCAAACAGCTGCATAACAGGATTGCCCGAGCCACTGAGGCCCTCC
 AGACATTCCGGCCAGCTGCCAGCTCCTCCTCCGCCACTGCCAGCTGGATGTGGGGCGTGAGATGAAGCT
 GTTGACCGAGCTTAGCTTCTGAGAGGCTGTGGCCACCGCGGACTCTGCTCCGGAGCACCCCAAGTGCCCG
 AGGCGCCCGTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206757 protein sequence
 Red=Cloning site Green=Tags(s)

MKNMEKELLCPVCQEMYQPLVLPCTHNVCQACAREVLGQQGYIGHGGDPSSEPTSPASTPSTRSPRLSR
 RTLPKPDRDLRLLKSGFGTYPGRKRGALHPQTILFPCPACQGDVELGERGLSGLFRNLTLERVVERYRQS
 VSVGGA.ILCQLCKPPPLEATKGCTECRATFCNECFKLFHPWGTQKAQHEPTLPTLSFRPKGLMCPDHKEE
 VTHYCKTCQRLVCQLCRVRRTHSGHKITPVL SAYQALKDKLTKSLAYILGNQDTVQTI CELEETIRHTE
 VSGQQAKEEVSQLVRGLGAVLEEKRASLLQAIEECQERLSRLSAQIHEHQSLLDGSLVGYAQEVLKET
 DQPCFVQAAKQLHNRIARATEALQTFRPAASSFRHCQLDVGREMKLLTELSFLRGCGRGLCSGAPQCP
 RRPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: BC065049

ORF Size: 1272 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.

RefSeq: [BC065049](#), [AAH65049](#)
RefSeq Size: 3233 bp

RefSeq ORF: 1274 bp

Locus ID: 360213

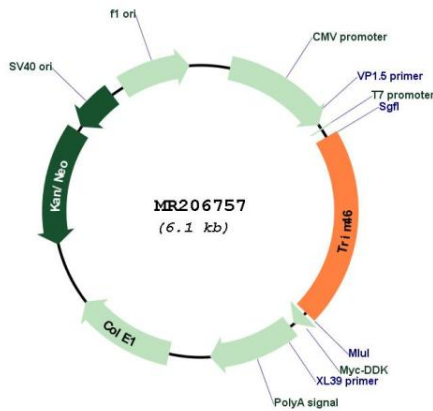
Cytogenetics: 3 F1

MW: 47.2 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 formation, the establishment of neuronal polarity and proper neuronal migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206757