

Product datasheet for **MC221398**

Trim45 (NM_001165953) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim45 (NM_001165953) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim45
Synonyms:	4921530N01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221398 representing NM_001165953
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGAAATCAGGAAGCCGCTTCTGGGTTTCGTGCACAACTCCAAGATGCGAACCGCTCTGGAAGCT
 CAGGCAAGACTCATTGTCTACATGTCTGAGGCTTTTCAAAGTCCCAGGCTCTTGCCTTGCTTGCACAC
 AGTGTGCACCAGTGTCTGGAAGCTGGATCCATTCTCAGTAGTGACATCCGTGGGGTGACTCAGAT
 ACAAGCTCTGAGGGTCAAGTATCCAGGACCCGAGTTATGTAGCCTGCAGCCACAGATCGGCATCCTCT
 GTCCGGTATGTGATGCTCAAGTGGACCTGCCCTGGGTGGAGTGAAGGCTTAAACGGTAGACCACCTGGC
 CATGAATGATGTCTGCTGGAGAACCTGCTGGGAAGGCCAGGGCTGGTGTGTGACCTGTGCAGCGAC
 AGAGAAGTAGAGAAGAGTGTGACACCTGCAAAGCCAATCTCTGCCACTTCTGCTGCCAGGCTCATAGGC
 GACAGAAGAAGACGACATATCACACCATGGTGGACCTAAAAGACCTGAAAGGCTACAGCCAGGTTGGAAA
 GCCCATCTATGCTCTCACCTGCAGAGGAGCTGAGGCTGTTCTGTGAACTCTGTGACCGGCCGGTG
 TGTCCGGACTGTGTAGTTGGGGAGCACCGAGAGCACCCCTATGACTTCACCAGCAATGTATCCACAAGC
 ATGGAGATTCTGTGCGGGAGCTGCTTCGAGACACCCAGCCCCATGTGGAAGCCCTGGAAGATGCCCTGGC
 ACAGATTTAAAGTGTGAACAACGCCCTCCAAGAGCGAGTGGAGGCAGTGGCAGCTGACGTCGGACATTC
 TCTGAGGGCTACATCAAAGCCATCGAGGAACACCGGGACAAGCTGCTGCAGCAGCTGGATGACATACGGA
 TCCAGAGGAAACCGCTTACAGCTGCAGAAAGCGCAGCTGGAACAGCTGCTGGCAGATATGCGGACTGG
 AGTGGAGTTACCCGAGCATCTGCTGACCAGCGGCTCGGACTTAGAGATTCTATCACCAAGGGAGTGGTT
 GTAGAGCGGCTCAGGAAGCTGAATAAAGTTGAATACAGTGCCCGCCAGGAGTGAACCATAAGACTCTGCT
 TCTCCCCCAGGAGAAGGCAGGCCAGTCCAAGGCTATGAAGTGTATGGGGCCATTAACACGCAGGAAGT
 TGATCCAGCTCAGTGTGCTCTCAGGGAGAAGATCTCCACAGAGCTCGAGAGAAACAGACAGCCTTTTT
 ACCTTGTCTGTAAAGATGCCTCGGACAGAGCATGGGAGGGGAGGAGATAATGTCCATGTGGAAGTTG
 TCCCCAAAGATAAGAAGGACAGTCCGATCAGAACAGTGGTCCAGGACAACAAGGATGGTCTGACCGCT
 TTCCTACACCCCAAGGAGCCTGGCATCTACACCGTGTGGTCTGCATCAGAGAGCAGCAGTGCAGGGC
 TCACCATCAACGTGACCGTGGAGGGAAGCATCGCCACATCCGGGTGTGTTCACTGCTGCACCTTCT
 GCTCCAGTGGAGGACAGAAAGCTGCCCGCTGTGCTGCGGAGGCACCATGCCGGCCCGCAGGCCCAAGCA
 GCAGCAAGCAAGGGTCCGTCCTTTGCTGCCTCACAGGTGGATACCTGGCTGTGGCCACGGACACAAG
 GCCACCGGGCCGTCACACTGGTCTTGTGTGGGAAGTTCATTGAGAAGTCCGAGTGTCTCGTTCACGAG
 TGGGCAGGGCGCCCGAGGAGTCTGCTTAGGACCGTGGCGCTCTGATGCTTCTGGGGACAAGTCGGGCC
 AGGTAACCCTGAAGCTAGCATAACTTCAGCTATGCAGAGAACCAGAGCTTGAGTAGTTCCAAAGAGACT
 GACAGAATTAAGACGAAGTGTCTTCTAACATCAGACTTCAAGTGTCTTCTGTGTGGGCATCTCTCGT
 GTACCATGGCGGAGTGCAGGCCTCCCCTACACCGCTCCTCAAGGCAGGCTGTGATCTACTCCACGGAAA
 GCTCTCTGTTTTATACGGGCATTGAGGTGTCTGTGCCATGGGACCATGAGCTCCTGGAGCAGGGAGGAC
 TTTATGCCTTCTTTCCACTGTGTTGCAGCCTCTCCGGTTTACCCCGAGCTAGAGTTTCAGGGCTTCTCC
 TGGAGGATGAAACCCCTCTGGCCCATCATTTGTTTGTGTACTTTTCAGTGGTTTCTAGTACACAGTT
 TATGATGATTACACGGTTTTGCCGTCTAGATGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001165953
Insert Size: 2274 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001165953.1](#), [NP_001159425.1](#)

RefSeq Size: 4668 bp

RefSeq ORF: 2274 bp

Locus ID: 229644

UniProt ID: [Q6PFY8](#)

Cytogenetics: 3 F2.2

Gene Summary: May act as a transcriptional repressor in mitogen-activated protein kinase signaling pathway. [UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).