

Product datasheet for **MC219260**

Trim45 (NM_194343) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim45 (NM_194343) 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: >MC219260 representing NM_194343
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGAAATCAGGAAGCCGCTTCTGGGTTTCGTGCACAACTCCAAGATGCGAACCGCTCTGGAAGCT
 CAGGCAAGACTCATTGTCTACATGTCTGAGGCTTTTCAAAGTCCCAGGCTCTTGCCTTCTTGCACAC
 AGTGTGCACCAGTGTCTGGAAGCTGGATCCATTCTCAGTAGTGACATCCGTGGGGTGACTCAGAT
 ACAAGCTCTGAGGGTCAAGTATCCAGGACCCGAGTTATGTAGCCTGCAGCCACAGATCGGCATCCTCT
 GTCCGGTATGTGATGCTCAAGTGGACCTGCCCTTGGGTGGAGTGAAGGCTTTAACGGTAGACCACCTGGC
 CATGAATGATGTCTGCTGGAGAACCTGCGTGGGAAGGCCAGGGCTGGTGTGTGACCTGTGCAGCGAC
 AGAGAAGTAGAGAAGAGGTGTCAGACCTGCAAAGCCAATCTCTGCCACTTCTGCTGCCAGGCTCATAGGC
 GACAGAAGAAGACGACATATCACACCATGGTGGACCTAAAAGACCTGAAAGGCTACAGCCAGGTTGGAAA
 GCCCATCTATGCTCTCACCTGCAGAGGAGCTGAGGCTGTTCTGTGAAGCTGTGACCGGCCGGTG
 TGTCCGGACTGTGTAGTTGGGGAGCACCGAGAGCACCCCTATGACTTCACCAGCAATGTCATCCACAAGC
 ATGGAGATTCTGTGCGGGAGCTGCTTCGAGACACCCAGCCCCATGTGGAAGCCCTGGAAGATGCCCTGGC
 ACAGATTTAAAGTGTGAACAACGCCCTCCAAGAGCGAGTGGAGGCAGTGGCAGCTGACGTCGGACATTC
 TCTGAGGGCTACATCAAAGCCATCGAGGAACACCGGGACAAGCTGCTGCAGCAGCTGGATGACATACGGA
 TCCAGAGGAAACCGCTTTACAGCTGCAGAAAGCGCAGCTGGAACAGCTGCTGGCAGATATGCGGACTGG
 AGTGGAGTTCACCGAGCATCTGCTGACCAGCGGCTCGGACTTAGAGATTCTCATCAAGGGAGTGGTT
 GTAGAGCGGCTCAGGAAGCTGAATAAAGTTGAATACAGTGCCCGCCAGGAGTGAACCATAAAGTCTGCT
 TCTCCCCCAGGAGAAGGCAGGCCAGTGCACAGGCTATGAAGTGTATGGGGCCATTAACACGCAGGAAGT
 TGATCCAGCTCAGTGTGCTCTCAGGGAGAAGATCTCCACAGAGCTCGAGAGAAACAGACAGCCTTTTT
 ACCTTGTCTGTAAAGATGCCTCGGGACAGAGCATGGGAGGGGAGGAGATAATGTCCATGTGGAAGTTG
 TCCCCAAAGATAAGAAGGACAGTCCGATCAGAACAGTGGTCCAGGACAACAAGGATGGTTCGTACCGCGT
 TTCCTACACCCCAAGGAGCCTGGCATCTACACCGTGTGGTCTGCATCAGAGAGCAGCAGTGCAGGGC
 TCACCATCAACGTGACCGTGGAGGGAAGCATCGGCCACATCCGGGTGTGTTTCACTGCTGCACCTTCT
 GCTCCAGTGGAGACAGAAAGCTGCCCGCTGTGCTGCGGAGGCACCATGCCGGTGGATACCTTGCTG
 TGGCCACGGACACAAGGCCACCGGGCGTCCACACTGGTCTTGTGTGGGAAGTTCATTGAGAAGTCC
 GAGTGTCTGTTACAGAGTGGCAGGGCGCCCGAGGAGTCTGCTTAGGACCGTGGCGCT**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_194343

Insert Size: 1743 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_194343.2](#), [NP_919324.2](#)

RefSeq Size: 4615 bp

RefSeq ORF: 1743 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 (2) lacks an alternate exon that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a. Both variants 2 and 3 encode the same isoform.