

Product datasheet for **MR209095**

Trim45 (NM_194343) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim45 (NM_194343) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim45
Synonyms:	4921530N01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209095 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTCAGAAATCAGGAAGCCGCTTCTGGGTTTCGTGCACAACTCCAAGATGCGAACCGCTCTGGAAGCT
 CAGGCAAGACTCATTGTCTACATGTCTGAGGCTTTTCAAAGTCCCAGGCTCTTGCCTTGCTTGCACAC
 AGTGTGCACCAGTGTCTGGAAGCTGGATCCATTCTCAGTAGTGGACATCCGTGGGGTGACTCAGAT
 ACAAGCTCTGAGGGTCAAGTATCCAGGACCCGAGTTATGTAGCCTGCAGCCACAGATCGGCATCCTCT
 GTCCGGTATGTGATGCTCAAGTGGACCTGCCCTGGGTGGAGTGAAGGCTTAAACGGTAGACCACCTGGC
 CATGAATGATGTGCTGCTGGAGAACCTGCGTGGGAAGGCCAGGGCTGGTGTGTGACCTGTGCAGCGAC
 AGAGAAGTAGAGAAGAGTGTGACACCTGCAAAGCCAATCTCTGCCACTTCTGCTGCCAGGCTCATAGGC
 GACAGAAGAAGACGACATATCACACCATGGTGGACCTAAAAGACCTGAAAGGCTACAGCCAGGTTGAAA
 GCCCATCTATGCTCTCACCTGCAGAGGAGCTGAGGCTGTTCTGTGAACTCTGTGACCGGCCGGTG
 TGTCCGGACTGTGTAGTTGGGGAGCACCGAGAGCACCCCTATGACTTCACCAGCAATGTCATCCACAAGC
 ATGGAGATTCTGTGCGGGAGCTGCTTCGAGACCCAGCCCATGTGGGAGCCCTGGAAGATGCCCTGGC
 ACAGATTTAAAGTGTGAACAACGCCCTCCAAGAGCGAGTGGAGGCAAGTGGCAGCTGACGTCGGACATTC
 TCTGAGGGCTACATCAAAGCCATCGAGGAACACCGGGACAAGCTGCTGCAGCAGCTGGATGACATACGGA
 TCCAGAGGAAACCGCTTACAGCTGCAGAAAGCGCAGCTGGAACAGCTGCTGGCAGATATGCGGACTGG
 AGTGGAGTTCACCGAGCATCTGCTGACCAGCGGCTCGGACTTAGAGATTCTATCACCAGGGAGTGGTT
 GTAGAGCGGCTCAGGAAGCTGAATAAAGTTGAATACAGTGCCCGCCAGGAGTGAACCATAAAGTCTGCT
 TCTCCCCCAGGAGAAGGCAGGCCAGTGCAGGCTATGAAGTGTATGGGGCCATTAACACCGCAGGAAGT
 TGATCCAGCTCAGTGTGCTTTCAGGGAGAAGATCTCCACAGAGCTCGAGAGAAACAGACAGCCTTTTT
 ACCTTGTCTGTAAAGATGCCTCGGACAGAGCATGGGAGGGAGGAGATAATGTCCATGTGGAAGTTG
 TCCCCAAAGATAAGAAGGACAGTCCGATCAGAACAGTGGTCCAGGACAACAAGGATGGGTGCTACCGCGT
 TTCCTACACCCCAAGGAGCCTGGCATCTACACCGTGTGGTCTGCATCAGAGAGCAGCAGTGCAGGGC
 TCACCATCAACGTGACCGTGGAGGAAAGCATCGGCCACATCCGGGTGTGTTTCACTGCTGCACCTTCT
 GCTCCAGTGGAGACAGAAAGCTGCCCGCTGTGCTGCGGAGGCACCATGCCGGTGGATACCTTGCTG
 TGGCCACGGACACAAGGCCACCGGGCGTCCACACTGGTCTTGTGTGGGAAGTTCATTGAGAAGTCC
 GAGTGTCTGTTACAGAGTGGCAGGGCGCCCGAGGAGTCTGCTTAGGACCGTGGCGCTC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209095 protein sequence
 Red=Cloning site Green=Tags(s)

MSEIRKPLLGFVHKLQDANASGSSGKTHCPTCLRLFKVPRLLPCLHTVCTTCKLEKLDPFVSVDIRGGDS
 TSSEGSVFDPELCSLQPQIGILCPVCDQVDLPLGGVKALTVDHLMNDVLLLENLRGEGQGLVCDLCS
 REVEKRCQTCKANLCHFCCQAHRRQKTTYHTMVDLKDLDKYSQVQKPIILCPSHPAEELRLFCELCDRPV
 CRDCVVGEGHREHPYDFTSNVIHKHGDSVRELLRDTQPHVGALEDALAQIKSVNNALQERVEAVAADVRF
 SEGVIKAIIEHRDKLLQLDDIRIQRETALQLKQAQLEQLLADMRTGVEFTEHLLTSGSDLEILITKGVV
 VERLRKLNKVEYSARPGVNHKICFSPQEKAGQCQGYEVYGAINTQEVDPAQCVLQGEDLHRAREKQTASF
 TLFCKDASGQSMGRGGDNVHVEVVPKDKDSPIRTVVQDNKDGSYRVSYTPKEPGIYTVWVCIREQHVQG
 SPFNVTVRRKHRPHPGV FHCCTFCSSGGQKAARCACGGTMPGGYLGCYGHGKHGHPGRPHWSCCGKFIKES
 ECSFTSGQGAPRSLRLTVAL

SGPTRRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_194343

ORF Size: 1743 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: [NM_194343.1](#), [NP_919324.1](#)

RefSeq Size: 4615 bp

RefSeq ORF: 1743 bp

Locus ID: 229644

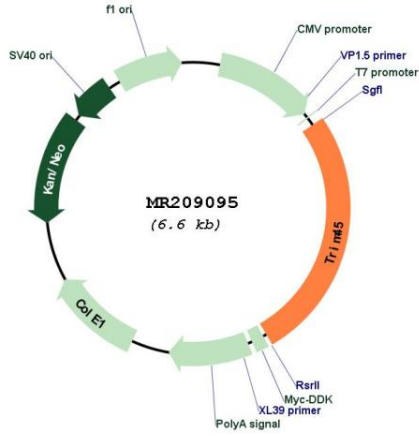
UniProt ID: [Q6PFY8](#)

Cytogenetics: 3 F2.2

MW: 64.2 kDa

Gene Summary: May act as a transcriptional repressor in mitogen-activated protein kinase signaling pathway. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209095