

Product datasheet for MR205196

Trim44 (NM_020267) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim44 (NM_020267) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim44
Synonyms:	Dipb; Mc7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205196 representing NM_020267 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCGGAGTGGGCGCGCCTGCGAGGAGCTGCCTCCCGACGGCACGTGTGACGAGTGCGAACCCG
ACGAGGCGCCCGGGCGGAGGAGGTGTGCCGCGACTGCGGCTTCTGCTACTGCCGCCACGCGCAGCG
GCATCGCCAGAAGTTCCTCAGCCACCGCTGGCTGCCTACGTCCATGGCGCCAGGCTGGACTCCGCC
GCCAGCGGGGAGACGACGCGCTCCCCAAGACGGCGAGGCCAAAGGGGAGGCCAGGGGGAGGTAGAGA
GCGAGGTCGGGAAGAAGAGAGCGAGACGGAGGTAGACAGTGAGTCGGAAGAAGAGAGCGAGACCGAGGA
AGACAGTGAGGATGAGAGTGACGAGGAGAGTGAAGAAGACAGCGAGGAAGAGATGGAGGATGAGCAGGAG
AGCGAGGCGGAGGAAGACAACCAAGAAGGGGAATCAGAGGCAGAAGGAGAAACTGAGGCAGAAAAGCGAAT
TTGACCCCGAAATAGAGATGGAAGCGGAGAGAGTGGCCAAGAGGAAGTGTCCAGACCATGGGCTGGATTT
GAGCACCTATTGTGAGGAAGATAGGCAGCTCATCTGTGTCCTGTGTCCAGTCATTGGGGCTACCCGGGGC
CACCAGCTGTCCACGCTGGACGAAGCCTTCGAAGAACTGAGAAGCAAAGATTCCGGTGGACTGAAGGCAG
CAATGATAGAGTTGGTGGAAAGTTAAAGTTCAAGAGCTCAGACCCTAAAGTAACTCGAGACCAGATGAA
GATATTTATACAGCAAGAATTTAAGAAAGTTTCAAGAAAGTTATTGCTGATGAGGAGCAGAAGGCCCTTCAT
TTAGTGGATATCCAAGAAGCAATGGCCACGGCTCATGTGACTGAGATATTGGCGGACATCCAATCTCACA
TGGATAGGTTGATGACTCAGATGGCCACGGCCAAAGGAACAATTGATACCTCTAATGAATCAGCTGAGCC
AAAGGCAGAGGTTGACGAGGAAGGACCCAGCGGTGCCAGTGAAGAAGAGGACACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205196 representing NM_020267
Red=Cloning site Green=Tags(s)

MASGVGAACEELPPDGTCDCEPDEAPGAEVCRDCGFCYCRRHADAHRQKFLSHRLAAYVHGAQAWTPP
 ASGGDDALPEDGEAKGEAEGEVESEVGESESETEVDSESESESETEEDSEDESDSEEDSEEMEDEQE
 SEAEEDNQEGESEAEGETEAESFDPEIEMEAERVAKRKCPCDHGLDLSTYCQEDRQLICVLCVPIGAHRG
 HQLSTLDEAFEELRSKDSGGLKAAMIELVERLKFKSSDPKVTRDQMKIFIQQEFKKVQKVIADDEEQKALH
 LVDIQEAMATAHVTEILADIQSHMDRLMTQMAQAKEQLDTSNESAEPKAEGDEEGSPGASEEEDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020267

ORF Size: 1035 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](#)

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_020267.2](#), [NP_064663.2](#)

RefSeq Size: 5612 bp

RefSeq ORF: 1038 bp

Locus ID: 80985

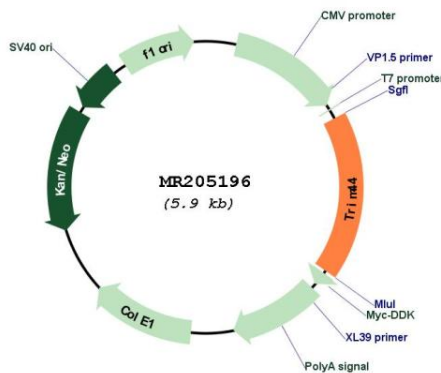
UniProt ID: [Q9QXA7](#)

Cytogenetics: 2 E2

MW: 38.1 kDa

Gene Summary: May play a role in the process of differentiation and maturation of neuronal cells (By similarity). May regulate the activity of TRIM17 (By similarity). Is a negative regulator of PAX6 expression (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205196