

Product datasheet for **MR225795**

Trim9 (NM_053167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim9 (NM_053167) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim9
Synonyms:	A1835002; C030048G07Rik; mKIAA0282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225795 representing NM_053167
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAGATGGAAGAAGAGTTAAATGCCCTGTGTGGCTCCTTCTATCGGGAGCCCATCATCTTGC
 CCTGCTCTCACAATTTATGT CAGGCGTGCGCCCGCAACATCCTGGTGCAGACCCCGAGTCCGAGTCCCC
 CCAGAGCCCGCGGCTCGGGCTCTGGGTTTCTGACTATGATTATCTGGACCTGGACAAGATGAGCCTG
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGAGTTTCGCCAGCGCCCCACTACCCCGTCCAGA
 AGTCGCCAACGGCGTCCCGTTTTCCCCCTGCTATGCCGCCACCGCCACCCACTGTACCAGGCTTT
 GGCCCTGTGCCCGCAATTCCTGCATCACCTGCCCCAGTGCCACCGCAGCCTCATTCTGGATGACCGG
 GGGCTCCGCGTTTTCCCAAGAACCGCTCCTGGAAGGGTTCATCGACCCTACCAACAGAGCAAAGCCG
 CGGCCCTCAAGTCCAGCTCTGCGAGAAGGCGCCAAGGAAGCCACGGTTCATGTGTAACAGTGCATGT
 CTTCTACTGCGACCTTGCCGTCTGCGTGCACCCGCCCCGGGTCCCCTAGCCAAACACCGTCTGGTG
 CCCCCGGCCAGGCGCGTTCAGCCGGCGCTGAGCCCGCAAGGTCTCCACCTGCACAGACCACGAGC
 TGGAGAACCACAGCATGTACTGCGTGAATGCAAGATGCCCGTGTGTACCAGTGCCTAGAGGAGGGCAA
 ACACTCCAGCCACGAAGTCAAGGCTTTGGGGGCTATGTGAAATTGCACAAGAGCCAGCTCTCCAGGCC
 CTGAATGGATTGTGCGACAGGGCAAAGAAGCCAAAGGAGTTCTGGTGCAGCTCCGACCATGGTACAAC
 AGATCCAGGAAAACAGTGTGGAGTTTGAGGCTGCCTGGTGGCCAGTGTGATGCGCTCATCGATGCCCT
 AAACCGAAGGAAGGCTCAGCTGCTGGCCGGTCAACAAGGAGCATGAACACAAGCTGAAGTGGTTCGG
 GACCAGATCTCTACTGCACGGTGAAGCTGCGTCAGACCAGGGCCTCATGGAGTACTGCTTGAAGTGA
 TTAAGGAGAACGACCCAGTGGCTTTTTCAGATTTTCAGATGCTCATAAAGCGAGTTCACTTAACTGA
 GGACAGTGGGGGAAGGGCACCCCTCACTCCAGGATGACCACAGACTTTGATCTGAGCCTGGACAACAGC
 CCTCTGCTGCAGTCTATTCACCAACTGGACTTCGTGCAAGTGAAGCCTCCTCTCAGTCCAGCAACCC
 CCATCCTACAGCTGGAGGAGTGTGCACCCACAACAACAGTGTACGCTGTCTGGAAACAGCCCCCTCT
 GTCCACCGTAGCCCGGATGGATACATCCTGGAGCTGGATGACGGCAGTGGTGGTCCAGTTCGGGAAGTG
 TATGTTGAAAAGAAACAATGTGCACAGTGGACGGCTTCACTTCAACAGCACATAACAACGCTCGGGTTA
 AGGCCTTCAACAAAACAGGAGTCAAGCCCTACAGCAAGACTGGTCTCCAGACGTCTGAGGCAGCGGG
 AGCCCATGAGACAAAACCTATGAAGGACACAGACTCAGAAGAACAGACCCTCCCCTTCCAGTGCCTTCG
 GAAAGATTGCCGCTCCGTAGGATGAGCCCTTCTCCTCCACCCTAATCTACAACCCAGCTTCCCCGGGA
 GGTCTACTTTGATTTCCGGTCTCACCCACAGCTGAGTTTGCATTCTTTTACAGTCTCTCAATGC
 ACCGGGCTGCAATTTTGAGACACAATCTGCATCCTACTCTCAATTAGTTGACATTAAGGAGTGTGGCA
 GTGGCTTGGTTTGTCTTTGACCCGGCTCGGCCACTCCGACATCATTTCTCCAATGACAACTTGACAG
 TGACGTGACAGTAGCTACGATGACCGGTGGTGTGGGAAAACCGGCTTCTCAAAGGCGTCCACTACTG
 GGAGCTGACCATAGATCGCTATGACAACCACCTGATCCAGCATTTGGCGTGGCTCGCATCGATGTGATG
 AAGGATATGATGTTAGGGAAGGACGACAAAGCTGGGCAATAACTGAAGGAGGGATCACAAAAGGGGCCA
 CCATCGGGTCTCCTCGACTTAAACAGAAAGACATTAACGTTTTTCGTCAACAATGAACAGCAAGGCC
 CATAGCGTTTGAGAACGTGGAGGGCTGTCTTCCCTGCTGTGAGCCTGAACAGGAATGTGCAGGTACAG
 CTCCACACCGGGCTTCCGGTCCCGACTTCTACTCCAGCCGAGCTTCCATAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225795 representing NM_053167
Red=Cloning site Green=Tags(s)

MEEMEEELKCPVCGSFYREPIILPCSHNLCQACARNILVQTPESESPQSRRASGSGVSDYDYLDDKMSL
YSEADSGYGSYGGFASAPTTPCQKSPNGVRVFPAMPPTTHLSPALAPVPRNSCITCPQCHRSLILDDR
GLRGFPKNRVLEGVIDRYQQSKAAALKCQLCEKAPKEATVMCEQCDVFYCDPCRLRCHPPRGPLAKHRLV
PPAQGRVSRRLSPRKVSTCTDHELENHSMYCVQCKMPVCYQCLEEGKHSSHEVKALGAMWKLHKSQLSQA
LNGLSDRAKEAKEFLVQLRTMVQQIQENSVEFEACLVAQCDALIDALNRRKAQLLARVNKEHEHKLKVV
DQISHCTVKLRQTTGLMEYCLEVIKENDPSGFLQISDALIRRVHLTEDQWGKGTLTPRMTTDFDLSL
DNSPLLQSIHQDFVQVKASSPVPATPILQLEECCTHNSATLSWKQPPLSTVAADGYILELDDGSGGQFREV
YVGKETMCTVDGLHFNSTYNARVKAFNKTGVSPYSKTLVLTSEAAGAHETKPMKDTDSEEQTLFPVPS
ERLPLRRMSPFSSLNLQPSFGRSYDFRSPHQLSLHSSLQSLNAPGCNFETQSASYSQLVDIKKLLA
VAWFADPGSAHSDIIFSDNLTVTSSYDDRVLGKTGFSKGVHYWELTIDRYDNHPDPAFGVARIDVM
KDMMLGKDDKAWAITEGGITKGATIGVLLDLNRKTLTFFVNNEQQGPIAFENVEGLFFPAVSLNRNVQVT
LHTGLPVPDFYSSRASIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_053167

ORF Size: 2364 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_053167.3](#), [NP_444397.2](#)

RefSeq Size: 4680 bp

RefSeq ORF: 2367 bp

Locus ID: 94090

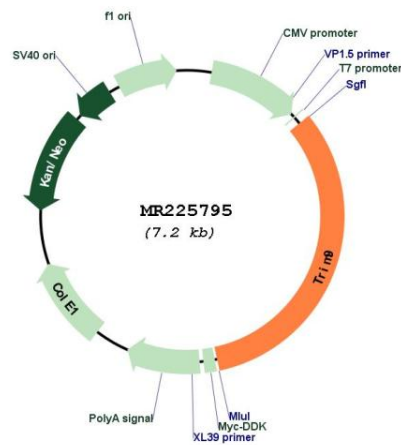
UniProt ID: [Q8C7M3](#)

Cytogenetics: 12 C2

MW: 88 kDa

Gene Summary: E3 ubiquitin-protein ligase which ubiquitinates itself in cooperation with an E2 enzyme UBE2D2/UBC4 and serves as a targeting signal for proteasomal degradation. May play a role in regulation of neuronal functions. May act as a regulator of synaptic vesicle exocytosis by controlling the availability of SNAP25 for the SNARE complex formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225795