

## Product datasheet for **MR208585**

### Trim9 (BC052034) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim9 (BC052034) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208585 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGAGATGGAAGAAGAGTTAAATGCCCTGTGTGGCTCCTTCTATCGGGAGCCCATCATCTTGC  
 CCTGCTCTCACAATTTATGT CAGGCGTGCGCCCGCAACATCCTGGTGCAGACCCCGAGTCCGAGTCCCC  
 CCAGAGCCCGCGGCTCGGGCTCTGGGTTTCTGACTATGATTATCTGGACCTGGACAAGATGAGCCTG  
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGAGTTTCGCCAGCGCCCCACTACCCCGTCCGAGA  
 AGTCGCCCAACGGCGTCCGCGTTTTCCCCCTGCTATGCCGCCACCGCCACCCACTGTACCAGGCTTT  
 GGCCCTGTGCCCGCAATTCCTGCATCACCTGCCCCAGTGCCACCGCAGCCTCATTCTGGATGACCGG  
 GGGCTCCGCGTTTTCCCAAGAACCGCGTCTGGAAGGGGTATCGACCGCTACCAACAGAGCAAAGCCG  
 CGGCCCTCAAGTCCAGCTCTGCGAGAAGGCGCCAAGGAAGCCACGGTCAATGTGTGAACAGTGCATGT  
 CTTCTACTGCGACCTTGCCGTCTGCGTGCACCCGCCCCGGGGTCCCCTAGCCAAACACCGTCTGGTG  
 CCCCCGGCCAGGGCCGGT CAGCCGGCGGCTGAGCCCGCGCAAGGTCTCCACCTGCACAGACCAGCAGC  
 TGGAGAACCACAGCATGTACTGCGTGCAATGCAAGATGCCCGTTTGTACCAGTGCCTAGAGGAGGGCAA  
 ACACTCCAGCCACGAAGTCAAGGCTTTGGGGGCTATGTGGAATTGCACAAGAGCCAGCTCTCCAGGCC  
 CTGAATGGATTGTCCGACAGGGCCAAAGAAGCCAAGGAGTTTCTGGTGCAGCTCCGACCATGGTACAAC  
 AGATCCAGGAAAACAGTGTGGAGTTTGAGGCTGCCTGGTGGCCAGTGTGATGCGCTCATCGATGCCCT  
 AAACCGAAGGAAGGCTCAGCTGCTGGCCGGTCAACAAGGAGCATGAACACAAGCTGAAGTGGTTCCG  
 GACCAGATCTCTACTGCACGGTGAAGCTGCGTCAGACCAGGGCCTCATGGAGTACTGCTTGAAGTGA  
 TTAAGGAGAACGACCCAGTGGCTTTTTCAGATTTTCAGATGCTCTATAAGCGAGTTCCTTAAGTGA  
 GGACAGTGGGGGAAGGGCACCCCTCACTCCAGGATGACCACAGACTTTGATCTGAGCCTGGACAACAGC  
 CCTCTGCTGCAGTCTATTCACCAACTGGACTTCGTGCAAGTAAAAGCCTCCTCTCAGTCCAGCAACCC  
 CCATCCTACAGCTGGAGGAGTGTGCACCCACAACAACAGTGTACGCTGTCTGGAAAACAGCCCTCT  
 GTCCACCGTAGCCCGGATGGATACATCCTGGAGCTGGATGACGGCAGTGGTGGTCCGGGAAGTG  
 TATGTTGAAAAGAAAACATGTGCACAGTGGACGGCTTCACTTCAACAGCACATAACAACGCTCGGGTTA  
 AGGCCTTCAACAAAACAGGAGTCAAGCCCTACAGCAAGACTGGTCTCCAGACGTCTGAGGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208585 protein sequence  
 Red=Cloning site Green=Tags(s)

MEEMEEELKCPVCGSFYREPIILPCSHNLQACARNILVQTPESQPQRASGSGVSDYDYLDDKMSL  
 YSEADSGYGSYGGFASAPTPCQKSPNGVRVFPAMPPTTHLSPALAPVPRNSCITCPQCHRSLILDDR  
 GLRGFPKNRVLEGVIDRYQQSKAAALKQKCEKAPKEATVMCEQCDVFYCDPCLRCHPPRGLAKHRLV  
 PPAQGRVSRRLSPRKVSTCTDHELENHSMYCVQCKMPVCYQCLEEGKHSHEVKALGAMWKLHKSLSQA  
 LNGLSDRAKEAKEFLVQLRTMVQIQENSVEFEACLVAQCDALIDALNRRKAQLLARVNKEHEHKLKVVR  
 DQISHCTVKLRQTTGLMEYCLEVIKENDPSGFLQISDALIRRVHLEDQWKGTLTPRMTDFDLSDNS  
 PLLQSIHQDFVQVKASSPVATPILQLEECETHNSATLSWKQPPLSTVAADGYILELDDGSGGQFREV  
 YVGKETMCTVDGLHFNSTYNARVKAFNKTGVSPYSKTLVLQTSEGR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC052034

**ORF Size:** 1608 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:** [BC052034](#), [AAH52034](#)
**RefSeq Size:** 2413 bp

**RefSeq ORF:** 1610 bp

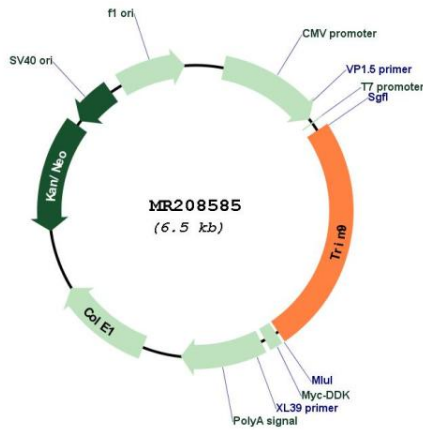
**Locus ID:** 94090

**Cytogenetics:** 12 C2

**MW:** 59.7 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 MR208585