

## Product datasheet for **RR212038**

### Trim9 (NM\_130420) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim9 (NM_130420) Rat 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:**

>RR212038 representing NM\_130420  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGAGATGGAAGAAGAGTTAAATGCCCCGTGTGTGGCTCCTTCTATCGGGAGCCCATCATCCTGC  
 CCTGCTCTCACAATTTATGCCAGGCTTGCGCCCGCAACATCCTGGTGCAGACCCCGAGTCCGAGTCCCC  
 CCAGAGCCCGCGGCTCGGGCTCTGGGTTTCTGACTATGACTATCTGGACCTGGACAAGATGAGCCTT  
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGAGTTTCGCCAGCGCCCCACTACCCCGTCCAGAG  
 AGTCGCCCAACGGCGTCCGTGTTTTCCCCCTGCTATGCCGCCACCGCCACCCACTGTACCCGGCTTT  
 GGCCCTGTGCCCGCAACTCCTGCATTACCTGCCCCAGTGCCACCGCAGCCTCATTCTGGATGACCGG  
 GGGCTCCGCGGCTTCCCCAAGAACCGCGTCTGGAAGGGGTATCGACCGCTACCAACAGAGCAAAGCCG  
 CGGCCCTCAAGTCCAGCTCTGTGAGAAGGCGCCAAGGAAGCCACGGTATGTGCGAACAGTGCATGT  
 CTTCTACTGCGACCTTGCCGTCTACGCTGCCACCCACCGAGGGTCCCCTAGCCAAACACCGTCTGGT  
 CCCCCGGCCAGGTCGGTAAGCCGACGGCTGAGCCCGCAAGGTCTCCACCTGCACAGACCACGAGC  
 TGGAGAACCACAGCATGTACTGTGTGCAATGCAAGATGCCGGTGTGTACCAGTGCCTGGAGGAGGGCAA  
 AACTCCAGCCACGAAGTCAAGGCTTTGGGGGCTATGTGGAATTGCACAAGAGCCAGCTTTCCAGGCG  
 CTGAATGGATTGTGAGTAGAGCCAAAGAAGCCAAGGAGTTCTGGTGAACCTCCGACCATGGTGAAC  
 AAATCCAGGAAAACAGTGTGGAGTTTGAAGCTGCCTGGTGGCTCAGTGCAGTGTCTCATTGATGCCCT  
 AAACCGAAGGAAGGCTCAGCTGCTGGCCGGTCAACAAGGAACATGAGCACAAGCTGAAGGTGGTCCGG  
 GACCAGATCTCTATTGCACAGTAAACTGCGCCAGACCACGGGCTCATGGAGTACTGCTTGAAGTGA  
 TTAAGGAGAACGACCCAGTGGCTTCTGCAGATTTTCAGATGCCCTCATCAGACGAGTTCACTTAACTGA  
 GGACCAAGTGGGGAAAAGGCACACTCACTCCAGGATGACCACGGACTTCGACCTGAGCCTGGACAACAGT  
 CCTCTGCTACAGTCCATCCACCAGCTGGACTTCGTGCAAGTGAAGCTTCTCTCCAGTCCAGCAACCC  
 CCATCCTCCAGCTGGAGGAGTGTGCACCCACAACAACAGTGTACGCTGTCTGGAAAACAGCCCTCT  
 GTCCACTGTGGCCCGGATGGCTACATTCTGGAGCTGGATGATGGCAGTGGTGGTCCAGTTCGGGAAGT  
 TATGTTGGAAAAGAAACAATGTGCACAGTGGATGGCTTCACTTCAACAGCACATAACAACGCCCGGTTA  
 AGGCCTTCAACAAAACAGGAGTCAAGCCCTACAGCAAGACTGGTCTCCAGACGTCTGAGGTGGCGTG  
 GTTTGCCTTTGACCCCGGCTCGGCACACTCTGACATCATCTTCTCCAATGACAACCTGACAGTGACATGC  
 AGTAGCTACGATGACCGGTGGTGTGGGAAAACCTGGCTTCTCAAGGGCGTCCACTACTGGGAGCTGA  
 CCATAGATCGCTATGACAACCACCTGATCCAGCATTGGCGTGGCTCGCATCGATGTGATGAAGGATAT  
 GATGTTAGGAAAGGACGACAAGGCTTGGCAATGTATGTGGACAATAACCGGAGCTGGTTCATGCACAAC  
 AACTCGCACACCAACAGAAGTGAAGGAGGGATCACAAAAGGGGCCACTATCGGGGTCTCTCGACTTAA  
 ACAGAAAGACATTAACGTTTTTCGTCAACAATGAACAGCAAGGCCCATAGCCTTTGAGAATGTGGAGGG  
 CCTGTTCTTCTGCCGTGACCTGAACAGGAATGTACAGGTCACGCTTCACTGGGCTTCCGGTCCCC  
 GACTTCTACTCCAGCAGAGCTTCCATAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212038 representing NM\_130420  
 Red=Cloning site Green=Tags(s)

```
MEEMEEELKCPVCGSFYREPIILPCSHNLQACARNILVQTPESQPQRRASGSGVSDYDLDLDMKSL
YSEADSGYGSYGGFASAPTTPCQKSPNGVRVFPAMPPTTHLSPALAPVPRNSCITCPQCHRSLILDDR
GLRGFPKNRVLEGVIDRYQQSKAAALKCQLCEKAPKEATVMCEQCDVFYCDPCRLRCHPPRGPLAKHRLV
PPAQGRVSRRLSPRKVSTCTDHELENHSMYCVQCKMPVCYQCLEEGKHSSHEVKALGAMWKLHKSLSQA
LNGLSDRAKEAKEFLVQLRTMVQIQENSVEFEACLVAQCDALIDALNRRKAQLLARVNKEHEHKLKVVV
DQISHCTVKLRQTTGLMEYCLEVIKENDPSGFLQISDALIRRVHLTEDQWKGKTLTPRMTTDFDLSLNS
PLLQSIHQDLDFVQVKASSPVATPILQLEECCTHNSATLSWKQPPLSTVAADGYILELDDGSGGQFREV
YVGKETMCTVDGLHFNSTYNARVKAFNKTGVSPYSKTLVLQTSEVAWAFDPGSAHSDIIFSNLNTVTC
SSYDDRVLGKTGFSKGVHYWELTIDRYDNHPDPAFGVARIDVMKDMMLGKDDKAWAMYVDNRRSWFMHN
NSHTNRTEGGITKATIGVLLDLNRKTLTFFVNNEQQGPIAFENVEGLFFPAVSLNRNVQVTLHTGLPVP
DFYSSRASIA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_130420

**ORF Size:** 2130 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\\_130420.1](#), [NP\\_569104.1](#)

**RefSeq Size:** 3689 bp

**RefSeq ORF:** 2133 bp

**Locus ID:** 155812

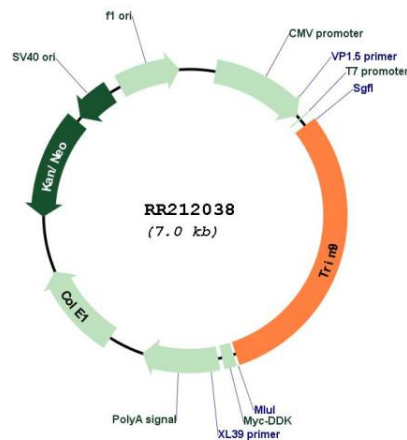
**UniProt ID:** [Q91ZY8](#)

**Cytogenetics:** 6q24

**MW:** 79.2 kDa

**Gene Summary:** RING finger protein; may mediate synaptic vesicle exocytosis by controlling the availability of SNAP-25 [RGD, Feb 2006]

## Product images:



Circular map for RR212038