

Product datasheet for **MR230424**

Trim9 (NM_001286386) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim9 (NM_001286386) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR230424 representing NM_001286386
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAGATGGAAGAAGAGTTAAATGCCCTGTGTGGCTCCTTCTATCGGGAGCCCATCATCTTGC
 CCTGCTCTCACAATTTATGT CAGGCGTGCGCCCGCAACATCCTGGTGCAGACCCCGAGTCCGAGTCCCC
 CCAGAGCCCGCGGCTCGGGCTCTGGGTTTCTGACTATGATTATCTGGACCTGGACAAGATGAGCCTG
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGAGTTTCGCCAGCGCCCCACTACCCCGTCCAGA
 AGTCGCCCAACGGCGTCCCGTTTTCCCCCTGCTATGCCGCCACCGCCACCCACTGTACCAGGCTTT
 GGCCCTGTGCCCGCAATTCCTGCATCACCTGCCCCAGTGCCACCGCAGCCTCATTCTGGATGACCGG
 GGGCTCCGCGTTTTCCCAAGAACCGCTCTGGAAGGGTTCATCGACCGCTACCAACAGAGCAAAGCCG
 CGGCCCTCAAGTCCAGCTCTGCGAGAAGCGCCCAAGGAAGCCAGGTCATGTGTGAACAGTGCATGT
 CTTCTACTGCGACCTTGCCGTCTGCGTGCACCCGCCCCGGGGTCCCCTAGCCAAACACCGTCTGGTG
 CCCCCGGCCAGGGCCGGT CAGCCGGCGCTGAGCCCGCAAGGTCTCCACCTGCACAGACCACGAGC
 TGGAGAACCACAGCATGTACTGCGTGAATGCAAGATGCCCGTGTGTACCAGTGCCTAGAGGAGGGCAA
 ACACTCCAGCCACGAAGTCAAGGCTTTGGGGGCTATGTGAAATTGCACAAGAGCCAGCTCTCCAGGCC
 CTGAATGGATTGTGCGACAGGGCCAAAGAAGCCAAGGAGTTCTGGTGCAGCTCCGACCATGGTACAAC
 AGATCCAGGAAAACAGTGTGGAGTTTGAGGCTGCCTGGTGGCCAGTGTGATGCGCTCATCGATGCCCT
 AAACCGAAGGAAGGCTCAGCTGCTGGCCGGTCAACAAGGAGCATGAACACAAGCTGAAGTGGTTCCG
 GACCAGATCTCTACTGCACGGTGAAGCTGCGTCAGACCAGGGCCTCATGGAGTACTGCTTGAAGTGA
 TTAAGGAGAACGACCCAGTGGCTTTTTCAGATTTTCAGATGCTCTATAAGGCGAGTTCACCTAACTGA
 GGACAGTGGGGGAAGGGCACCCCTCACTCCAGGATGACCACAGACTTTGATCTGAGCCTGGACAACAGC
 CCTCTGCTGCAGTCTATTCACCAACTGGACTTCGTGCAAGTAAAAGCCTCCTCTCAGTCCAGCAACCC
 CCATCCTACAGCTGGAGGAGTGTGCACCCACAACAACAGTGTACGCTGTCTGGAAAACAGCCCCCTCT
 GTCCACCGTAGCCCGGATGGATACATCCTGGAGCTGGATGACGGCAGTGGTGGTCCGGGAAGTG
 TATGTTGAAAAGAAAACATGTGCACAGTGGACGGCTTCACTTCAACAGCACATAAACGCTCGGGTTA
 AGGCCTTCAACAAAACAGGAGTCAGCCCTACAGCAAGACTGGTCTCCAGACGTCTGAGGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230424 representing NM_001286386
 Red=Cloning site Green=Tags(s)

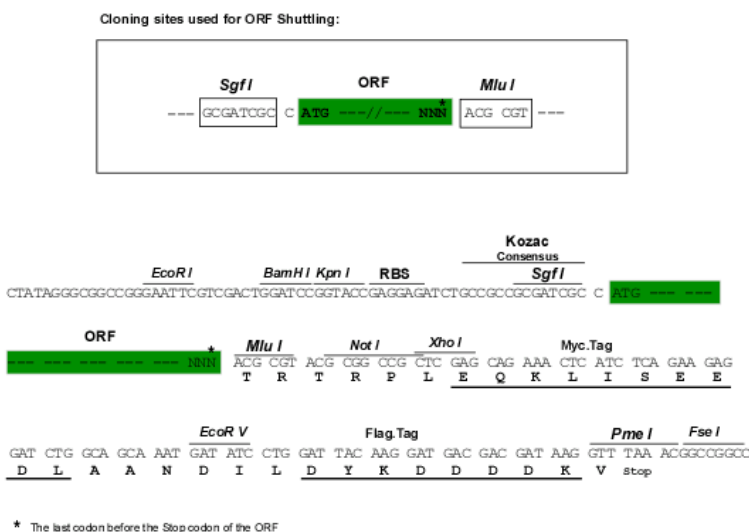
MEEMEEELKCPVCGSFYREPIILPCSHNLQACARNILVQTPESQPQRASGSGVSDYDYLDDKMSL
 YSEADSGYGSYGGFASAPTPCQKSPNGVRVFPAMPPTTHLSPALAPVPRNSCITCPQCHRSLILDDR
 GLRGPKNRVLEGVIDRYQQSKAAALKQQLCEKAPKEATVMCEQCDVFYCDPCLRCHPPRGLAKHRLV
 PPAQGRVSRRLSPRKVSTCTDHELENHSMYCVQCKMPVCYQCLEEGKSSHEVKALGAMWKLHKSLSQA
 LNGLSDRAKEAKEFLVQLRTMVQIQENSVFEACLVAQCDALIDALNRRKAQLLARVNKEHEHKLKVVR
 DQISHCTVKLRQTTGLMEYCLEVIKENDPSGFLQISDALIRRVHLEDQWKGTLTPRMTDFDLSLSDNS
 PLLQSIHQLDVQVKASSPVPA TPILQLEECCTHNNSATLSWKQPPLSTVAADGYILELDDGSGGQFREV
 VYGKETMCTVDGLHFNSTYNARVKAFNKTGVSPYSKTLVLQTSEGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001286386

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: [NM_001286386.1](#), [NP_001273315.1](#)

RefSeq Size: 4810 bp

RefSeq ORF: 1611 bp

Locus ID: 94090

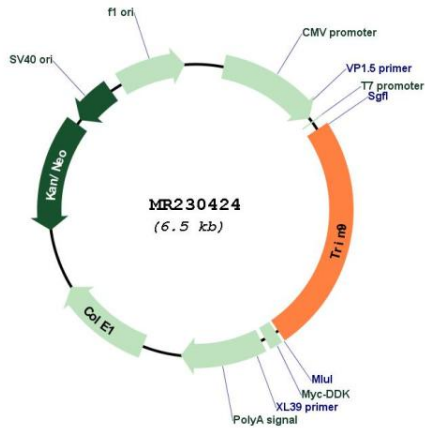
UniProt ID: [Q8C7M3](#)

Cytogenetics: 12 C2

MW: 60.2 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 MR230424