

Product datasheet for **RR201397**

Trim45 (NM_001106453) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim45 (NM_001106453) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201397 representing NM_001106453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAGAAAACAGGAAACCGCTTCCAGGTTTTGTAAACAACTCCAAGATGCGAGCGCATCTGGGAGCT
 CAGGCAAGACTCACTGTCTTCATGTCTGAGGCTTTTCAAAGTCCCAGGCTCTTGCCTTCTTGCACAC
 GGTGTGCACCTCATGTCTGGAAAGGCTGGATCCATTCTCAGTAGTGGACATCCGAGGGGGTACTCAGAC
 ACAAGCTCTGAGGGTCAATATTCCAGGAACCAAGTCATGCAGCCTGAAGCCACAGATCGGCATCCTCT
 GTCCAGTATGTGATGCTCAAGTGGACCTGCCCTTGGGTGGAGTGAAGGCTTTAACGGTAGACCACCTGGC
 CATGAATGACGTCATGCTGGAGAGTCTGCACGGGGAAGGCCAGGGCCTGGTGTGTGACCTGTGTAGCGAC
 AGAGAAGTAGAGAAGAGGTGTGACACTGCAAGGCCAATCTCTGCCACTTCTGCTGCCAGGCTCACAGGC
 GGCAGAAGAAGACAACGGATCACACCATGGTGGACCTGAAAGACCTAAAAGGCTACAGTCGGGTTGGAAA
 GCCTATCCTATGTCTTCCACCCTGCCGAGGAGCTGAGGCTGTCTGTGAGCTCTGTGACCGGCCGGTG
 TGTCCGGACTGTGTAGTTGGGGAGCACCGAGAGCACCCCTACGACTTCACCAGCAACGTCATCCACAAGC
 ATGGAGATTCCGTGCGGGAGCTGCTTCGAGACACCCAGCCACGCTGGAGGCCCTGGAAGACGCCCTGGC
 TCAGATCAAAAGTTCAACAACGCCCTCCAAGAGCGCGTGGAGGCGGTGGCAGCTGACGTCGAACGTTT
 TCTGAGGGCTACATCAGAGCCATCGAGGAGCATCGGGACAAGCTGCTACGACAGCTGGATGACATACGGG
 TCCAGAAGGAAAACCTCTTACAGCTGCAGAAAGCACAGCTGGAACAGCTGCTGGCTGATATGCGGACTGG
 AGTGGAGTTCACTGAGCACCTGCTGACCAGCGGCTCAGACTTGGAGATCCTGGTCACCAAGGGAGTGGTC
 GTAGACCGGCTCAGGAAGCTGAATAAGGTTGAATACAGTGCCCGCCAGGAGTGAACCATAAAGATCTGCT
 TCTCCCTCAGGAGAAGGCAAGGTGCCAAGGCTATGAAGTATATGGGGCCATTAACACGCAGGAAGTTGA
 TCCAGCTCAATGTCTCTTCAGGGAGAAGATCTCCATAGAGCTCGAGAGAACAGACAGCCTCTTTTACC
 TTGGTCTGTAAGGATGCCACGGGAGAGACATGAGCAGGGGAGGAGACAACGTCCTGTGGAAGTTGTCC
 CAAAAATAAGAAGGACAGTCCGATCAGAACAGTGGTCCAGGACAACAAGGATGGATCCTACCGTGTTC
 CTACACCCCAAGGAACCTGGCGTCTACACTGTGTGGGTGGCATCAGAGAGCAGCAAGTGCAGGGCTCA
 CCGTTCATGTGACCGTGAAGGAGGAGCATCGGCCGATCCAGGCGTGTTCCTGCTGCACCTTCTGTT
 CCAGTGGAGGCCAGAAGACTGCACGCTGTGCTGCGGAGGCACCATGCCAGGTGGTACCTTGGCTGTGG
 CCATGGACACAAAGGCCACCCGGGGCTCCACACTGGTCTTGTGTGGAAAGTTTATTGAGAAGTCAGAG
 TGTTTCGTACTCAACTGGCAGAGCGCACCGAGGAGTCTGCTTAGGACCGTGGCACTCTGTTTCGTACTCAA
 CTGGGCAGAGCGCACCGAGGAGTCTGCTTAGGACCGTGGCACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201397 representing NM_001106453
 Red=Cloning site Green=Tags(s)

MSENKPLPGFVNKLQDASASGSSGKTHCPSCLRLLFKVPRLLPCLHTVCTSLERLDPFVVDIRGGDS
 TSSEGSIFQEPKSCSLKPQIGILCPVCDLQVDLPLGGVKALTVDHLMNDVMLESLHGEQGGLVCDLCS
 REVEKRCQTCKANLCHFCCQAHRRQKTTDHTMVDLKDLDKGYSRVGPILCPSHPAEELRLFCELCDRPV
 CRDCVVGHEHREHPYDFTSNVIHKHGDVRELLRDTQPHVEALEDALAIKSSNNALQERVEAVAADVRF
 SEGVIIRAIIEHRDKLLRQLDDIRVQKENSLLQKAQLEQLLADMRTGVEFTEHLLTSGSDLEILVTGKV
 VERLRKLNKVEYSARPGVNHKICFSPQEKARCQGYEVYGAINTQEVDPAQCVLQGEDLHRAREKQTASFT
 LVCKDATGESMSRGGDNVRVEVVPKNKDSPIRTVVQDNKDGYSYRVSYPKEPGVYTVVWVGIREQVQGS
 PFNVTVRRKHRPHPGVFHCCTFCSSGGQKARACCGTTPGGYLCCGHGKHPGRPHWSCCGKFIKSE
 CSYSTGQSAPRSLLRVALCSYSTGQSAPRSLLRVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001106453

ORF Size: 1737 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 Size: 2314 bp

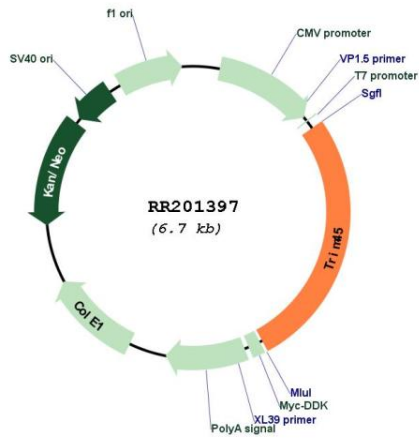
RefSeq ORF: 1740 bp

Locus ID: 295323

Cytogenetics: 2q34

MW: 64.2 kDa

Product images:



Circular map for RR201397