

Product datasheet for **RR208563**

Trim28 (NM_053916) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim28 (NM_053916) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim28
Synonyms:	Kap1; Krip1; Tif1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208563 representing NM_053916
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCTCGGCGCGCGGCGACTGCGGCGCCTCGGCCGACGGCCGCTCAGCGCCTCTGGTA
 GCCAGGGTCGGGCGAAGGCTCGGCGGGCGGTGAGAAGCGCCCGCTGCCTCTTCAGCCGCGGCGCCTC
 GGCTCCGCGTCTCCCTGCGGGGGCGGTGGCGAGGCGCAGGAGCTTTTGGAGCACTGCGGCGTGTGT
 CGCGAGCGCTTGCGGCCTGAGCGGGATCCTCGGCTGCTGCCCTGTCTGCATTGCGCCTGTAGTGCCTGCC
 TTGGCCCCGTACACCCGCGCAGCTAATAATTCGGGGGATGGCGGCTCGGCGGGCGACGGCGCTATGGT
 GGATTGTCCAGTGTGCAAACAACAGTGTACTCCAAGACATCGTGGAGAATTACTTTATGCGTGATAGT
 GGCAGTAAGGCCCTCTTCTGATCCAGGATGCTAACCAGTGTGCACTAGCTGTGAAGATAACGCCCCAG
 CCACTAGCTATTGTGTGGAGTGTCTGAACCAGTGTGTGAGACCTGTGTGGAGGCTCACCAGCGGGTAA
 ATACACCAAGGATCACACTGTGCGCTCCACGGTCTGCTAAGACTCGAGATGGAGAACGAACAGTCTAT
 TGTAAATGTGCACAAGCATGAACCCCTTGTGCTGTTTTGTGAGAGCTGTGACACGCTCACTTGCCGGGACT
 GCCAACTCAATGCTCACAAAGACCACAGTACCAATTCTTGAAGATGCAGTAAGGAACCAACGTAACCT
 CTTGGCTTCACTGGTGAACGCTCTTGGGACAAACATGCCACACTGCAGAAAAACCAAGGAGGTTCTGA
 AGCTCGATCCGCCAGGTGTCTGATGTGCAGAAGCGAGTGCAGGTTGATGTGAAGATGGCCATTCTGCAGA
 TCATGAAGGAGCTGAATAAACGGGGACGAGTCTGGTCAATGATGCCAGAAGGTGACTGAGGGTCAGCA
 GGAACGCTGGAGCGTCAGCACTGGACCATGACCAAAATCCAGAAGCACCAGGAACACATTTTGCCTTT
 GCCTCTTGGGCTTTGGAGAGTGATAACAATACAGCCCTTGTCTCTAAGAAGCTGATTTATTTCCAGC
 TGCATCGGGCCCTCAAAATGATTGTGGATCCTGTGGAGCCTCATGGTGAAGTTTCAAGCTGGGATCT
 CAATGCCTGGACCAAGAGTGTGAAGCCTTTGGTAAGATTGTGGCTGAGGCTCCTGGTACAACTCCACG
 GGTCTGGGCCATGGCTCCTCCAAGAGCCCCAGGCCCTTAAGCAAGCAAGGTTCTGGTGTAGCCAGC
 CCATGGAAGTACAAGAGGGCTATGGCTTTGGGACAGATGATCCCTACTCAAGTGCAGAGCCACATGTATC
 AGGCATGAAGCGGTCCCCTCTGGTGGAGGAGAAGTAAGTGGCCTCATGAGGAAGGTGCCACGTGTGAGC
 CTTGAACGCTGGATCTGGATCTCACCTCTGATAGCCAGCCACCAGTCTTCAAGGCTTTTCTGGAAGCA
 CCACTGAGGACTACAATCTAATTGTTATTGAGCGTGGTGTGCTGCAGCAGCCGCTGGCCAGGCTGGGAC
 TGTGCCACCAGGAGCCCCTGGTGGCCACCCCTGCCTGGCATGGCATTGTCAAGGAAGAAGAGACAGAA
 GCTGCTATTGGAGCCCCTCTGCTGCCCTGAGGGGCTGAAACCAAGCCTGTGTTGATGGCTCTGACTG
 AAGGCCCTGGGGCTGAGGACCTCGTCTAGCTTACCTAGTGGCAGTACCAGCTCAGGCTTGGAGGTGGT
 AGCTCCTGAGGTTACCTCAGCCCCAGTAAGTGGGCCAGGTATCCTGGATGACAGTGCCACTATCTGCCGT
 GTATGCCAGAAGCCAGGTGACCTGGTCAATGTGCAACCAGTGCAGATTTTGTCTCCACCTGGATTGTCACC
 TCCCTTCCCTGCAGGATGTTCCAGGGGAGGAATGGAGTTGCTCACTCTGCCACGTGCTCCCTGATCTAAA
 GGAGGAAGATGGAAGCCTTAGCTTGGATGGAGCAGATAGCACTGGTGTGGTAGCTAAACTCTCACCAGCC
 AACCAGCGAAATGTGAGCGTGTCTGCTGGCCCTTTTCTGCCATGAACCGTGCCGCCCTTGCATCAGC
 TGGCTACCGACTACATTTCCATGGAGCAGCCTGGTGGTACCCTAGACCTGACCTTGATTGCTGCTCG
 CCTCAAGAGAAGCTGTCACCTCCTTATAGTCCCCCAGGAGTTTGGCCAGGATGTGGCCGCATGTTT
 AAACAGTTCAATAAGCTGACTGAGGACAAGGCAGATGTTCAAGTCCATCATCGGCCCTCCAGCGCTTCTTTG
 AGACACGAATGAATGATGCCTTTGGTGACCAAGTTTCTGCTGTGCTGGTAGAACACCACCAGTAA
 CCTTCCAGTGTGCTAAGTTCTCAGGAGCTGTCTGGTCTGGTGTAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208563 representing NM_053916
Red=Cloning site Green=Tags(s)

MAASAAAATAAASAATAASAASGSPGSGEGSAGGEKRPAASSAAAASASASSPAGGGGEAQELLEHCGVC
RERLRPERDPRLLPCLHSACSACLGPATPAAANNNGDGGGAGDGAMVDCPVCKQQCYSKDIVENYFMRDS
GSKASSDSQDANQCCTSCEDNAPATSYCVECSEPLCETCVAHQRVKYTKDHTVRSTGPAKTRDGERTVY
CNVHKHEPLVLFCESCDTLTCRDCQLNAHKDHQYQFLEDAVRNQRKLLASLVKRLGDKHATLQKNTKEVR
SSIRQVSDVQKRQVQVDVKMAILQIMKELNKRGRVLVNDAQKVTEGQQLERQHWMTMKIQKHQEHILRF
ASWALESDNNTALLL SKKLIYFQLHRALKMIVDPVEPHGEMKFQWDLNAWTKSAEAFGKIWAERP GTNST
GPGPMAPPRAPGPLSKQGGSSQPMEVQEGYGF GTDDPYSSAEPHVSGMKRSRSGEGEVSGLMRKVPRVS
LERLDLDTSDSQPPVFKVFPSTTEDYNLIVIERGAAAAAGQAGTVPPGAPGAPPLPGMAIVKEEETE
AAIGAPPAPEGPETKPVLMALTEGPGAEGPRLASPSGSTSSGLEVVAVEVTSAPVSGPGILDDSATICR
VCQKPGDLVMCNQCEFCFHL DCHLPSLQDVPGEWSCSLCHVLPDLKEEDGSLSLDGADSTGVVAKLSPA
NQRKCERVLLALFCHPCRPLHQLATDSTFSMEQPGGTLDLTLIRARLQEKLSPPYSSPQEF AQDVGRMF
KQFNKLTEDKADVQSIIGLQRFETRMNDAFGDTKFSAVLVEPPPLNLP SAGLSSQELSGPGDGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

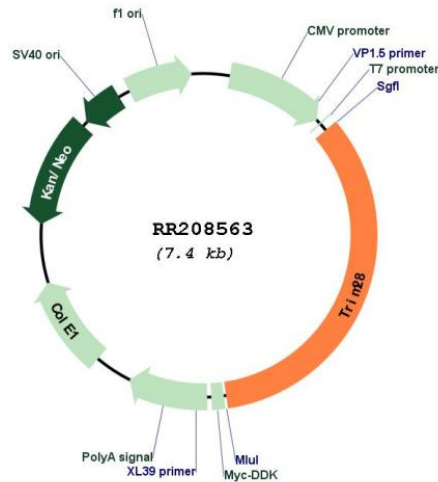
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_053916

ORF Size: 2505 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_053916.1](#), [NP_446368.1](#)

RefSeq Size: 3001 bp

RefSeq ORF: 2508 bp

Locus ID: 116698

UniProt ID: [O08629](#)

Cytogenetics: 1q12

MW: 89 kDa

Gene Summary: mouse homolog is a transcriptional repressor; interacts with the Kruppel-associated box A (KRAB-A) domain of C2H2 zinc finger proteins [RGD, Feb 2006]