

Product datasheet for **RR201108**

Trim31 (NM_001106376) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim31 (NM_001106376) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim31
Synonyms:	Trim31l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201108 representing NM_001106376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGACCCAAAGATGGCCAGCCAATCGCAGGAGGATGTGACCTGCCCATCTGCTTGGAAATCTAC
 AAGATCCTGTCAACATTGACTGTGGGCACAACCTCTGCCTGAAGTGTATCAATCAGATTGGGAAAACGTC
 AGAAAATATCCTATGTCCTCTCTGCAAGTGCTCTGTGAGTAAGAATACTTTCAGGCCCAATAGCTGCTG
 GCTAGTCTTGAGAGAAGATCCAGACTATGGATCCTGCTGACATCCAACAAGAAAAGGAAGAGGCAAGAT
 GTCAGAAGCACAAGAAAAGCTATATTACTTCTGCGAGCAGGATGGGGCGCTCCTCTGCGTAGTGTGTCG
 TGACTCCAAGGACCACAAATCCACGATGTACCTTGATAGATGAGGCTGTCCAGAACTACAAGGTGCAG
 ATTGAGTACAGGCCAGGATTTGGGGCGAAAGGACAAGGAAATAATTGAAGAGAAAAACGAGGCGAAG
 GGGCAATCTGGACATTCAGGGCCAGGTGGAAGTACAGAACTAAAGGTCATTGAGGAATCAAGCACCT
 GCGCCAGAGACTGGACGAGGAAGAAAGTTCTCTGTCCAGGATGGACTGGCTGGAGAAGCAGGGAGCC
 AAGCAGTTGGGACAATATGTCAGTGTGACAGAGAAGCAGCTGAACTCTCTTAGGACGCTCACTAACTCTT
 TGAAAATTAGACTGCAATCTTATCCATAGAGTACTAAAGGACATTAAGACACCTGAGCAGGAATAA
 GGAATTTAGTTTCTCAGCCCAATTCAGTTTCTGTGGACCTGGAGAAAAACGCAGTGAAGCAAAAGCA
 AGACTTGAGTCCGTCTAAAATCCCTGACAGAATCAAAGACAACCTGAAGGCCAAAGGGGAAAGATA
 AAAGCGAGTTCGTGAGCAGCCTGAATAAAGAAGAAAGGGAGAGCTGGAGCCTATTACAGAAGAATAACTC
 GATGTCGCCCACCCAGTCCCCATGACCCTGGACAAGGACTCAGCTGACCAGACCTCACCATTTCTCAT
 GATGGAAGAAAGTGACCTTGTATTATATAGCTGGAAAAGCTTCCAATAAGCAGGCAAAGCCTCGACCAT
 TCTACCATCCACTGTGTGAGGGGTTCCCGCCCTCTCTCAGGCCCGGGGTGTGGGAGGCAGAAAT
 CTGGGAGCCCTCAGGTGGGGCATGCATCATTGGCGTGGCTACAGAGTTGGCTCAAGGGTCCAGAGTCAA
 AACATCAGGATGCAGAACTGCATATGGGCACTGCGGATCTCACCCACTGGATGCCAGCCATTACCAATT
 GTAAAACGCAAGGAGCATCTCAGGTCTGTCTCAAGAAAGTGGGTGTCTACGTGAATCATGACTGCGGGGA
 GGTCTCTTATGATGCCATCACTAGCAAACACATCTATACTTTCCAACTTCTTTAACGGGAGGGTC
 TTCCCTTTTCGGGCTCCAAGTTACCTGCAGCCATATCACCTGACCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201108 representing NM_001106376
 Red=Cloning site Green=Tags(s)

MADPKMASQLQEDVTCPICLEILQDPVTIDCGHNFCLKCINQIGKTSENILCPLCKCSVSKNTFRPNKLL
 ASLAEKIQTMDPADIQQEKEEARCQKHKKKLYYFCEQDGLLCVCRDSKDHKFHDVTLIDEAVQNYKVQ
 IESQAQDLGRKDKEIEEKKRGEGAIWTFRAQVELEKLVIEEFKHLRQLDEEESFLLSRMDWLEKQGA
 KQLGQYVTVEKQLNSLRRLTKSLKIRLQSSSIELLKDIKDTLSRNKEFQFLSPIPVVDLEKKRSEAKA
 RLESVLKSLTEFKDNLKAKGKKDKSEFVSSLNKEERESWLLQKNNSMSPTPVPMTLDKDSADPDLTISH
 DGKKVTLYYIAGKASNKQAKPRPFYPFHCVRGSPGLSSGRRVWEAEIWEPSGGACIIGVATELAQGSQSQ
 NIRMQNCI WALRISPTGCQPFTNCKTQEHLQVCLKKVGYYVNHDCGEVIFYDAITSKHIYTFQTSFNGRV
 FPLFGLQVTCSHITLTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

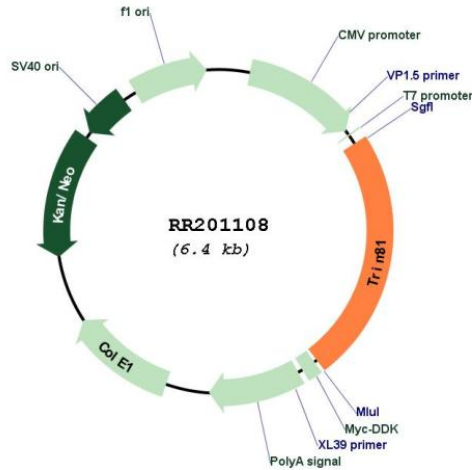
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001106376

ORF Size: 1521 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_001106376.1](#), [NP_001099846.1](#)

RefSeq Size: 2451 bp

RefSeq ORF: 1524 bp

Locus ID: 294208

Cytogenetics: 20p12

MW: 57.6 kDa