

Product datasheet for **RR200135**

Trim27 (NM_001134974) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim27 (NM_001134974) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim27
Synonyms:	Rfp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200135 representing NM_001134974
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCAGGGAGCGTGGCCGAGTCCCTGCAGCAGGAGACCACCTGCCCGTGTGTCTTCAACTTTG
 TGGAAACCATGATGCTCGACTGCGGCCACAACATCTGTTGCGCGTGCCTGGCCCGCTGCTGGGGTGCCGC
 GGAGACTAACGTGTCGTGCCCGCAGTGGCGGGAGACCTTCCCGCAGCGCCACATGCGGCCAACCGGCAC
 CTGGCCAACTGACCCAGCTGGTGAAGCAACTGCGCACCGAGCGGCCGTCGGGGCCGGACGGCGAGATGG
 GCGTGTGCGAGAAGCACCAGCAGCTCTGAAGCTGTACTGCGAGCAGGACCAGATGCCCATCTGCGTGGT
 GTGCGACCGCTCGCGGAGCACCCTGGCCACAGCGTGTGCCGCTGGAGGAGGCTGTGGAAGCTTCAAG
 GAGCAATCCAGAATCGGCTGGACCACCTAAGAAGAGTGAAGACTTGAAGAAGAGACGGAGGGCACAGG
 GGGAGCAGGCACGAGCTGAGCTCCTGAGCCTGACCAGATGGAGAGGGAAAAAATGTTTGGGAGTTTGA
 GCAGCTGTACTCTTTGAAGGAACATGAGTATCGCCTGTTGGCTCGCCTTGAGGAGCTAGACTTGGCC
 ATCTATAATAGCATCAACGGTGCCATCACTCAGTTCTCCTGCAACATCTCCACCTCAGTGGCCTGATTG
 CCCAACTGGAAGAGAAGCAGCAGCAGCCACGAGGGAGCTCTTGCAAGGACATTGGAGACTCTGAGCAG
 GGCTGAAAGAATCAGGATCCCTGAGCCCTGGATCACACCTCCAGATCTACAAGAGAAAAATCCATATTTTT
 GCCCAAAAATGTCTGTTTTTACAGAAAGTCTAAAACAGTTTACAGAAAAATGCAGTCAGATATGGAGA
 AGATCCAAGAGTTGAGAGAGGCTCAATTACTCAGTTGACGTGACCCCTGGACCCAGACACAGCCTATCC
 CAGCCTGATTCTTTCAGATAATCTTCGCAAGTACGGTACAGTTACCTCCAGCAGGATCTCCAGACAAC
 CCTGAGCGGTTCAATCTGTTTCCCTGTGTCTTGGGCTCTCCATGTTTTCATCGCTGGGAGACATTACTGGG
 AGGTAGAGGTGGCGATAAAGCCAAGTGGACCATAGGTGTCTGTGAAGACTCAGTGTGCAGAAAAGTGG
 GGTGACCTCAGCCCCCAGAATGGATTCTGGGCAGTGTCAATTGTGGTATGGGAAAGAATATGGGCTCTT
 ACATCCCCGATGACTGCACTCCCCCTGCGGACCCCTCTCCAGAGGGTAGGGATTTTCTTGACTATGATG
 CTGGTGAAGTTTCTTCTACAATGTGACAGAGAGATGCCATACCTTTACTTTCTCTCATGTACCTTCTG
 TGGGCCAGTCCGGCCCTACTTCAGCCTAAGTTACTCGGGAGGGAAGAGTGGGCTCCTTTGATCATCTGC
 CCTATGAGTGGGATTGATGGGTTTTCTGGCCATGTTGGGAATCATGGTCAATCCATGGAGACCTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200135 representing NM_001134974
 Red=Cloning site Green=Tags(s)

MASGSVAESLQQETTCPVCLQYFVEPMLDCGHNICCACLARCWGAETNVSCPQCRETFPQRHMRPNRH
 LANVTQLVKQLRTERPSGPDGEMGVCEKHREPLKLYCEQDQMPICVVCDRSREHRGHSVLPLEEAVEGFK
 EQIQNRDLHLRRVKDLKRRRAQGEQARAELLSLTMEREKIVWEFEQLYHSLKEHEYRLARLEELDLA
 IYNSINGAITQFSCNISHLSGLIAQLEEKQQPTRELLQDIGDTLSRAERIRIPEPWITPPDLQEKIHF
 AQKCLFLTESLKQFTEKMQSDMEKIQELREAQLYSVDVTLDPDTAYPSLILSDNLRQVRYSLQQDLPDN
 PERFNLFPVVLGSPCFIAGRHYWEVEVGDKAKWTIGVCEDSVCRKGGVTSAPQNGFVAVSLWYGKEYWAL
 TSPMTALPLRTPLRVGIPLDYDAGEVSFYNVTERCHTFSSHATFCGPVVPYFSLSYSGKSAAPLIIC
 PMSGIDGFSGHVGNHGHSMETSP

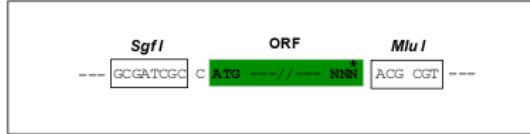
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

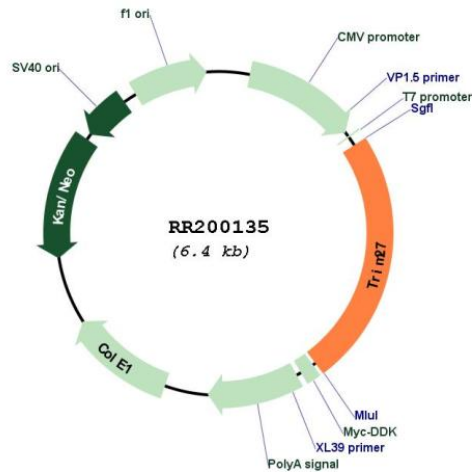
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001134974

ORF Size: 1539 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_001134974.1](#), [NP_001128446.1](#)

RefSeq Size: 2140 bp

RefSeq ORF: 1542 bp

Locus ID: 291171

Cytogenetics: 17q11

MW: 58.6 kDa

Gene Summary: predicted to be a member of the ret finger protein family; human RFP plays a role in induction of apoptosis [RGD, Feb 2006]