

Product datasheet for **RR211525**

Trim29 (NM_001106815) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim29 (NM_001106815) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim29
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR211525 representing NM_001106815
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGTGCCGATGCCTCCAGGAGCAATGGGGCCAGCCGGAAGCCAGGGACGCTCGCAGCCACCGG
 GTCCCAACGGCAGCCTAGAGAATGGCACTAAAGCAGACAGTAAGGACACCAAGACAACCAACGGGCACAG
 TGGGGAGGTGACAGAGGGCAAGACCCTGGGCAGTGCCCTGAAGTCAGGGGAGGGGAAGAGTGGCCTATTT
 TCCAGCAACGAGTGGCGCAGGCCTATTATTCAATTCGTGGAGTCAGTAGACGACAAAGGCTCCAGTTACT
 TCAGCATGGACTTCGGGAAGGCAGGAGTCCCCTTATGCGGGGCTCCAGTTGGGGGCTTCCAAGAAACC
 TCCTGTGACCTTTGCTGAGAAGGGGAGCTGCGAAAGTCCATCTTCTCCGAGCCCCGAAACCCACGGTG
 ACTATCGTGGAGCCGGGGAGGCCCGCAGGAACAGCTACCCAGAGCTGACTCCAGCCTCCTGCTGCGGT
 CTAAGTCGGGCTCTGAGGAGTGTGTGCGACTCCTGCATCGGCAACAAGCAGAAGGCTGTCAAGTCCTG
 CCTGGTGTCCAGGCTTCTTCTGTGACCTGCATCTGAAGCCCCACCTGGAGGGCGCTGCCTTCCGTGAC
 CATCAGTTACTCGAGCCATCCGGGATTTGAGGCCCGAAAAATGTCCCCTGCACGGCAAGACCATGGAGC
 TCTTCTGCCAGACCGACCAGACCTGCATCTGCTATCTCTGTATGTTCCAGGAGCACAAGAACCATAGCAC
 TGTGACGGTGGAGGAGCCAAGGCCGAGAAAGAGACTGAGCTGTCACTGCAAAAGGAGCAGCTGCAGCTG
 AAGATCATTGAGATTGAAGACGAAGCTGAGAAGTGGCAAAAGGAGAAAGACCCGGATCAAGAGCTTTACCA
 CCAACGAGAAGGCTATCCTGGAGCAGAACTCCGGGACCTGGTGGAGGACCTGGAGAAGCAGAAGGAGGA
 AGTAAGGGCTGCACTGGAGCAGCGGGAGCAGGACGCTGTGGACCAAGTGAAGGTGATCGTGGATGCTCTG
 GATGAGAGGGCCAAGGTGCTGCACGAGGACAAGCAGACCCGAGAGCAGCTGCACAGCATCAGTCACTCGG
 TGCTGTTTCTGCAGGAATTTGGTGCCTGATGAGCAATTACTCTCTCCCTCCACCTTGCCACCTACCA
 CGTCTGCTGGAGGGAGAAGGGCTGGGACAGTCACTCGGCAACTGCAAGGATGACTTGCTCAATGTGTGC
 ATGCGTCAATGTTGAGAAGATGTGCAAGGCCGATTTGAGCCGCAACTTCATCGAGAGGAACCATATGGAAA
 ACGGCGGTGACCATCGCTACATGAACAACACACAAGCAGCTATGGGAACGAATGGAGCACACCAGACAC
 CATGAAGAGATACTCCATGTACCTCACGCCAAGGGTGGGGGCCGACATCCTACCAGCCGCTCCTCGCCC
 AACCGCCTCTCCAAGGAAACCACTGAAGAATTTCAACAATCTGTATGGCACAAGGTAAGTAACTATACTT
 CCAGGGTCTGGGAGTACTCGTCCACTGTCAGAACGCCGATGACATGCCACTGTGCAAGGCAACTCCTC
 CTTCTCCCTGAAAGGCTATCCCTCCCTCCTCGGAGCCAGGTCCCAAGGCCAGCCTCAGACTTGAAAA
 TCTGGCAAGCAGACTCTACTGTCTCACTACCGCCATTCTATGTCAACAAAGGCAGCGGCATCGGATCCA
 ATGAGGCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211525 representing NM_001106815
 Red=Cloning site Green=Tags(s)

MEGADASRNSGASPEARARSPPGPNGLSLENGTKADSKDKTTNGHSGEVTEGKTLGSALKSGEGKSGFL
 SSNEWRPPIIQFVESVDDKGSYFSDMSAEGRRSPYAGLQLGASKKPPVTFAEKGELRKSIFSEPRKPTV
 TIVEPGEARRNSYPRADSSLLLRKSGSEEVLCDSICIGNKQKAVKSVLCQASFCDLHLKPHLEGAFFRD
 HQLLEPIRDFEARKCPLHGKTMELFCQTDQTCICYLCMFQEHKNHSTVTVEEAKAEKETELSLQKEQLQL
 KIIIEIEAEKWQKEKDRIKSFTTNEKAIHQNFRDLVRDLEKQKEEVRAALEQREQDAVDQVKVIVDAL
 DERAKVLHEDKQTRQLHSISDSVLFQEFGALMSNYSLPPPLPTYHVLLLEGGLGQSLGNCKDILLNVC
 MRHVEKMKCADLSRNFIERNHMENGGDHRYMNYTSSYGNWSTPDTMKRYSMYLTPKGGRTSYQPSSP
 NRLSKETNLKNFNNLYGKGNYSRVWEYSSTVQVQADDMPVQGNSSFLKGYPSLLRSQVPAQPQPTWK
 SGKQTLTSHYRPFYVKNKSGSISNEAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

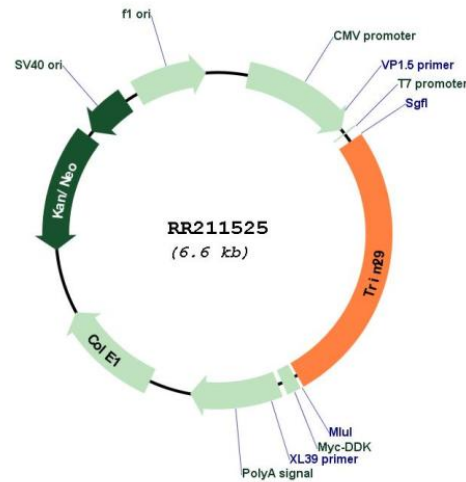
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001106815

ORF Size:	1761 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:	<ol style="list-style-type: none">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_001106815.1 , NP_001100285.1
RefSeq Size:	2832 bp
RefSeq ORF:	1764 bp
Locus ID:	300656
Cytogenetics:	8q22
MW:	65.8 kDa