

Product datasheet for **RR209840**

Trim16 (NM_001135033) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim16 (NM_001135033) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim16
Synonyms:	MGC93671
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209840 representing NM_001135033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGAATTGGATCTAATTGCCCCAGGGCCTCTGACCGGGTCACTGTTACCCTTTGGCTCCTCTCG
 GCCCAGACCTGGGTGAGCTATTCCAATAGGAAAAGAAGATGTGGACCTTCTCAGCAAGCCAGGCGAGGA
 AACCCAGGGGCAGGGTGACCTCGCAAAGCTCGGGGCTCCTGGTGAAGAGGAGGGACAGATCCTGTGT
 GACTTCTGTCTTGGGGCCAGCAGAGTAAGGGCTGTAAAGTCTGTTGACCTGCATGGTGAATTACTGTG
 AGGAGCACCTGCGGCCACACCAGGAGAACAGCAAAGTGCACAGCCACCAGCTAACCGAGCCACAAAAGA
 CCAGGATCTGCGCACCTGCCCTGCCACCACAGCCCTTTGGTTTCCTTCTGCCACACGCACCAGCAGTGT
 ATCTGCCAGGAATGCGGCACGGGTGAACACAGAGGCGACAGCACTGTCTCCCTGGATGCAGCCCGCAGGA
 GCAAAGAGGCTGACCTTCGGTGCATGCAGCTGGACCTGGAGCAGAAGCTCAAGTTGAACGAAAATGCCAT
 TGCCCGGCTCCAAGCCAACCACAAGTCTGTTTTGGTGTCCGTGTGAGAGTGAAGTGGTGGCTGAAGAG
 AAGTTTGGGGAATCCTCGCAGCCGTGAGGAAGGCCAGACTGATGTGATGCTCTTCTTAGAGGAGAAAAG
 AACAGGCTGCACTGAATCAGGTCAACGGCATCAAGACCCACCTGGAGCACAGGAGCATCGAGATGGAGAA
 AAACAAGCAGGAGCTGGAGAAGTTGGCCTCCATCAGCAACACTGTGCTTCTCTGGAGGAGTACTGCAAG
 CTTAAGAAGACAGAGGACTGCCTTCCCAGCGTTTACATCGGGCTGAAGGATAAACTCTCAGGCATCC
 GCAAGGTCATCACAGAGTCAACTCTGAACTTGATCCAGTTGCTAGAAAAGCTATAAGGAAAAGCTTCAGGA
 ATTTTCCAGGGAAGAAGAATATGACATCAGAAGTCAAGTGTCTGCCATTGTCCAGCGCAAGTACAGGACC
 TCGAAACCCGAGCCAGAACCCTGGATGAGTTTCTTCAATATGCCTGTGACATCACATTTGACCCAGACA
 CAGCACAGGTACCTTCGCCTGCAGGAGGATAACCGCAAGGTCAACCAACACCACCCCTGGGACACCC
 TTACCCAGACCTCCCAGTAGGTTTCTGCACTGGCGGCAGGTGCTGTCCAGCAGAGTCTGTACCTGCAC
 AGGTATATTTTGGAGTGGAGATCTCTGGAGGAGCATCTATGTTGGCCTGACCTGCAAAGGCATCGACC
 GTAAGGGGAAGAAGCAACAGCTGCATTTCTGGAAACAGCTTCTCTGGAGCATTCACTGGAGTGGGAA
 GGAGTTACGGCCTGGCACAGTGACACAGAGACTCCGCTCAAGGCCAGCCCTTCAGGAGGCTTGGCATC
 TATGTAATTTCCAGGAGGAACCCTTCTCTATGGTGTAGAATATGATGCCATGACTCTGATTGAGAG
 AGTTTGACTGCAAGTTCTCAGAGCCACTCTATGCTGCTTCTGGTGTCTAAGAAAGAAAACACCATCCG
 GATTGTGGATCTGGGAGAGGAGCCTGAGAAGCCAGCTGTACCCTCAGTGGAGGCTGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209840 representing NM_001135033
 Red=Cloning site Green=Tags(s)

MAELDLIAPGPLTGVTVHPLAPLGPDPGSAIPIGKEDVDLLSKPGEETQGGDLAKLGAPGDEEEGQILC
 DFCLGASRVRAVKSLTCMVNYCEEHLRPHQENSKLHSHQLTEPTKDQDLRTCPAHHSPVLSFCHTHQQC
 ICQECGTEHRGDSVSLDAARRSKEADLRMCMLDLEQKLNENAIARLQANHKSVLVSVSEVKVVAEE
 KFGELLAAVRKAQTDVMLFLEEKEQAALNQVNGIKTHLEHRSIEMEKNKQELEKLASISNTVLFLEEYCK
 LKKTEDTAFPSVYIGLDKLSGIRKVIESTLNLIQLLLESYKEKLQEFSSREEEYDVRTQVSAIVQRKYRT
 SKPEPRTRDEFLQYACDITFDPTAHRYLRQLQEDNRKVTNTPWEHPYDLPFRFLHWRQVLSQQSLYLH
 RYYFEVEISGGGIYVGLTCKGIDRKGEERNSCISGNSFSWSIHWSGKEFTAWHSDTETPLKASPFRRLLGI
 YVNFPGGTL SFYGV EYDAMTLIQKFDCKFSEPL YAAFWSKKENTIRIVDLGEEPEKPAVPSVEAAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

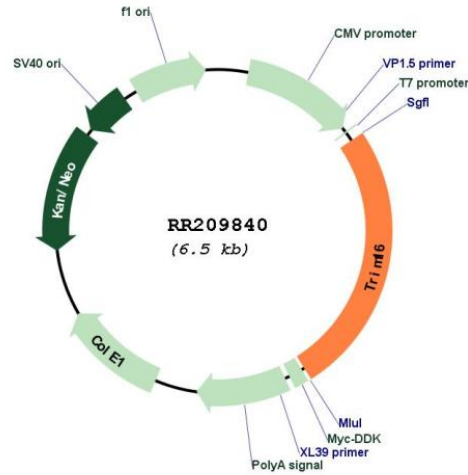
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001135033
ORF Size:	1671 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_001135033.2 , NP_001128505.1
RefSeq Size:	3815 bp
RefSeq ORF:	1674 bp
Locus ID:	303214
Cytogenetics:	10q23
MW:	63 kDa