

Product datasheet for **RC227623**

TRIM45 (NM_001145635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM45 (NM_001145635) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM45
Synonyms:	RNF99
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC227623 representing NM_001145635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGAAAACAGAAAACCGCTGCTGGGCTTTGTAAGCAAACACTACTAGTGGGACTGCACTTGGGAAC
 CAGGCAAGACTCACTGCCCCCTGTGCTTGGGGCTTTTCAAAGCCCCAGGCTCTTGCCTTGTTCATAC
 AGTTTGCACCACGTGTCTGGAGCAGCTGGAGCCCTTCTCAGTAGTGGACATCCGAGGGGAGACTCTGAC
 ACAAGCTCTGAGGGGTCAATATTCCAGGAACTCAAGCCACGAAGTCTGCAGTCGCAGATCGGCATCCTTT
 GTCCTGTATGTGATGCTCAGGTGGACCTGCCATGGGTGGAGTGAAGGCTTAAACCATAGACCACCTGGC
 CGTGAATGATGTGATGCTGGAGAGCCTACGTGGGAAGGCCAGGGCCTGGTGTGTGACCTGTGCAACGAC
 AGGGAAGTAGAGAAGAGGTGTGACACTGCAAAGCCAACCTCTGCCACTTCTGCTGCCAGGCTCATAGGC
 GGCAGAAGAAAACGACTTACCACACCATGGTGGACCTAAAAGACTTGAAGGCTACAGCCGGATTGGGAA
 GCCCATCTGTGCTCTGTTACCCTGCAGAGGAACTGAGGCTGTCTGTGAGTTCTGTGACCGGCCCGTG
 TGCCAGGATTGTGTGGTGGGGGAGCATCGGGAACACCCCTGTGACTTCACCAGCAATGTCATCCACAAGC
 ATGGGGACTCTGTGTGGGAGCTCCTCAAAGTACTCAGCCCCACGTGGAGGCCCTGGAGGAAGCCCTGGC
 TCAGATCCACATAATAAACAGTGCCTCCAGAAGCGAGTGGAGGCAGTGGCAGCTGATGTCCGGACATTC
 TCGGAGGGCTACATTAAGGCCATTGAGGAGCATCGGGACAAGCTGCTGAAGCAGCTGGAAGACATACGGG
 CCCAGAAGGAAAATTCCTGCAGCTGCAGAAGGCCAGCTGGAACAGTTACTGGCAGACATGCGGACTGG
 AGTGGAGTTCACCGAGCACTTGTGACAGCGGCTCAGACTTGGAGATCCTCATACCAAGAGGGTGGT
 GTAGAACGGCTCAGGAAGCTGAACAAAGTTCAATATAGCACCCGCTCTGGAGTAAATGATAAGATACGCT
 TCTGTCTCAGGAGAAAAGCAGGCCAGTCCGTGGCTATGAAATTTATGACCTCCACAGAGCCCGGAGAA
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 GTTCAAGTTGCCGTTGTCCCTAAAGATAAGAAAGACAGCCAGTCAGAACAATGGTCCAGGATAACAAGG
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 ACAGCATGTGCAGGGCTCGCCATCACTGTGACGGTGGAGAGAAAGCACCGCCACACTCAGGCGTGT
 CACTGCTGCACCTTCTGCTCCAGCGGGGCCAGAAAACCGCTCGCTGCGCCTGTGGAGGCACCATGCCAG
 GTGGGTACCTAGGCTGTGGCCATGGACACAAAGGCCACCCAGGTCATCCCCTGGTGTGCTGTGGAAA
 ATTTAATGAGAAATCTGAATGCACATGGACAGGTGGGCAGAGCGCACCGAGGAGTCTACTTAGGACTGTG
 GCTCTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227623 representing NM_001145635
 Red=Cloning site Green=Tags(s)

MSENKPLLGFVSKLTSGTALGNSGKTHCPLCLGLFKAPRLLPCLHTVCTTCLEQLEPFVSVDIRGGDSD
 TSSEGSIFQELKPRSLQSQIGILCPVDAQVDLPMGGVKALITIDHLAVNDVMLESLRGEQGLVCDLCND
 REVEKRCQTKANLCHFCCQAHRRQKKTTYHTMVDLKDLDKYSRIGKPIPCVHPAEELRLFCEFCDRPV
 CQDCVVGEGREHPCDFTSNVIHKHGDSWELLKGTQPHVEALEEALAQIHIINSALQKRVEAVAADVRTF
 SEGVIKAIIEHRDKLLKQLEDIRAQKENSLLQKAQLEQLLADMRTGVEFTEHLLTSGSDLEILITKRVV
 VERLRKLNKVVQYSTRPGVNDKIRFCPQEKAGQCRGYEYIDLHRAREKQTASFTLLCKDAAGEIMGRGGDN
 VQVAVVPKDKDSPVRTMVQDNKDGTYYSYTPKEPGVYTVWVCIKEQHVQGSPTVTVRRKHPHSGVF
 HCCTFCSSGGQKTARACGGTMPGGYLGCGHGHKGHPGHPHWSCCGKFNEKSECTWTGGQSAPRSLRLTV
 AL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

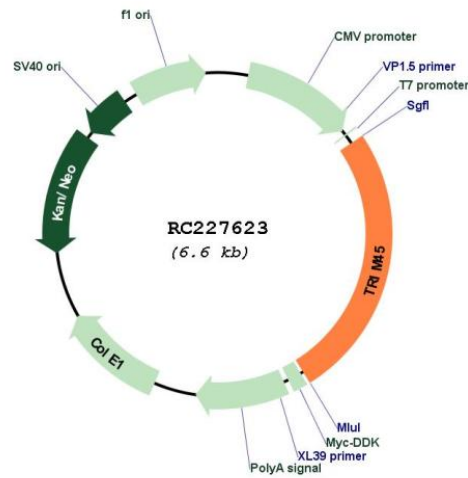
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001145635
 ORF Size: 1686 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_001145635.1 , NP_001139107.1
RefSeq ORF:	1689 bp
Locus ID:	80263
UniProt ID:	Q9H8W5
Cytogenetics:	1p13.1
MW:	62.3 kDa
Gene Summary:	This gene encodes a member of the tripartite motif family. The encoded protein may function as a transcriptional repressor of the mitogen-activated protein kinase pathway. Alternatively spliced transcript variants have been described.[provided by RefSeq, Mar 2009]