

Product datasheet for **RG215738**

TRIM45 (NM_025188) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM45 (NM_025188) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM45
Synonyms:	RNF99
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG215738 representing NM_025188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGAAAACAGAAAACCGCTGCTGGGCTTTGTAAGCAAACCTCACTAGTGGGACTGCACTTGGGAAC
 CAGGCAAGACTCACTGCCCCCTGTGCTTGGGGCTTTTCAAAGCCCCAGGCTCTTGCCTGTTTGCATAC
 AGTTTGCACCACGTGTCTGGAGCAGCTGGAGCCCTTCTCAGTAGTGGACATCCGAGGGGAGACTCTGAC
 ACAAGCTCTGAGGGTCAATATTCCAGAACTCAAGCCACGAAGTCTGCAGTCGCAGATCGGCATCCTTT
 GTCCTGTATGTGATGCTCAGGTGGACCTGCCATGGGTGGAGTGAAGGCTTAAACCATAGACCACCTGGC
 CGTGAATGATGTGATGCTGGAGAGCCTACGTGGGAAGGCCAGGGCCTGGTGTGTGACCTGTGCAACGAC
 AGGGAAGTAGAGAAGAGGTGTGACACTGCAAAGCCAACCTCTGCCACTTCTGCTGCCAGGCTCATAGGC
 GGCAGAAGAAAACGACTTACCACACCATGGTGGACCTAAAAGACTTAAAAGGCTACAGCCGATTGGGAA
 GCCCATCTGTGCTGTTACCCTGCAGAGAACTGAGGCTGTTCTGTGAGTTCTGTGACCGGCCCGTG
 TGCCAGGATTGTGTGGTGGGGAGCATCGGGAACACCCCTGTGACTTACCAGCAATGTCATCCACAAGC
 ATGGGGACTCTGTGTGGAGCTCCTCAAAGTACTCAGCCCCACGTGGAGGCCCTGGAGGAAGCCCTGGC
 TCAGATCCACATAATAAACAGTGCCTCCAGAAGCGAGTGGAGGCAGTGGCAGCTGATGTCCGGACATTC
 TCGGAGGGCTACATTAAGGCCATTGAGGAGCATCGGGACAAGCTGCTGAAGCAGCTGGAAGACATACGGG
 CCCAGAAGGAAAATTCCTGCAGCTGCAGAAGGCCAGCTGGAACAGTTACTGGCAGACATGCGGACTGG
 AGTGGAGTTCACCGAGCACTTGTGACCAAGCGGCTCAGACTTGGAGATCCTCATCAAGAGGGTGGT
 GTAGAACGGCTCAGGAAGCTGAACAAAGTTCAATATAGCACCCGCTCTGGAGTAAATGATAAGATACGCT
 TCTGTCTCAGGAGAAAGCAGGCCAGTCCGCTGGCTATGAAATTTATGGTACGATTAATACCAAAGAGGT
 TGATCCAGCCAAATGTGTCCTACAAGGAGAAGACCTCCACAGAGCCCGGAGAAAACAGACGGCCTTTTC
 ACCCTGCTTTGTAAAGGATGCCGCAGGAGAAATCATGGGCAGGGGAGGAGACAACGTTCAAGTTGCCGTTG
 TCCCTAAAGATAAGAAAGACAGCCAGTCAGAACAATGGTCCAGGATAACAAGGATGGGACATACTACAT
 TTCCTACACCCCAAGGAACCTGGCGTCTATACTGTGTGGGTCTGCATCAAGAACAGCATGTGCAGGGC
 TCGCCATTCACTGTGACGGTGGAGAGAAAGCACCAGCCCACTCAGGCGTGTTCCTGCTGCACCTTCT
 GCTCCAGCGGGGCCAGAAAACCGCTCGCTGCGCCTGTGGAGGCACCATGCCAGGTGGGTACCTAGGCTG
 TGGCCATGGACACAAAGGCCACCAGGTATCCCACTGGTATGCTGTGAAAAATTAATGAGAAATCT
 GAATGCACATGGACAGGTGGGCAGAGCGCACCGAGGAGTCTACTTAGGACTGTGGCTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215738 representing NM_025188
 Red=Cloning site Green=Tags(s)

MSENRKPLLGFSKLTSGTALGNSGKTHCPLCLGLFKAPRLLPCLHTVCTTCLEQLEPFVSVDIRGGDS
 TSSEGSIFQELKPRSLQSQIGILCPVCDQVQLPMGGVKALIDHNAVNDVMLESLRGEQGLVCDLCND
 REVEKRCQTCKANLCHFCCQAHRRQKTTYHTMVDLKDLDKYSRIGKPIILCPVHPAEELRLFCEFCDRPV
 CQDCVVGHEHREHPCDFTSNVIHKHGDSVWELLKGTQPHVEALEEALAQIHIINSALQKRVEAVAADVRF
 SEGYIKAIEEHRDKLLKQLEDIRAQKENSLLQKAQLEQLLADMRTGVEFTEHLLTSGSDLEILITKRVV
 VERLRKLNKVQYSTRPGVNDKIRFCPQEKAGQCRGYEITYGTINTKEVDPKCVLQGEDLHRAREKQTASF
 TLLCKDAAGEIMGRGDNVQVAVVPKDKDSPVRTMVQDNKDGTYIISYTPKEPGVYTVWVCIKEQHVQG
 SPFTVTVRRKHPHSGVPHCCTFCSSGGQKTARACGGTMPGGYLGCGHGKHGHPHPHWSCCGKFNEKS
 ECTWTGGQSAPRSLRLTVAL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_025188

ORF Size: 1740 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_025188.2](#), [NP_079464.1](#)

RefSeq Size: 3584 bp

RefSeq ORF: 1743 bp

Locus ID: 80263

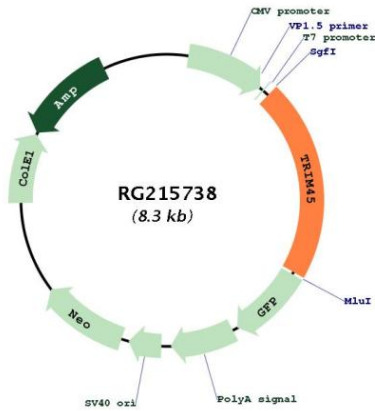
UniProt ID: [Q9H8W5](#)

Cytogenetics: 1p13.1

Domains: zf-B_box, Filamin, RING, BBC

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]

Product images:



Circular map for RG215738