

Product datasheet for RC201452

TRIM48 (NM_024114) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRIM48 (NM_024114) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TRIM48
Synonyms: RNF101
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201452 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATTCGGAATCTCGCAAGTCTTCCAGAGGGAACCTCACCTGCCCATCTGCATGAACACTTTCATAG
 ACCCGGTACCATAGACTGTGGGCACAGCTTTTGCAGGCCCTGTTTCTACCTCAACTGGCAAGACATCCC
 AATTCTTACTCAGTGCTTTGAATGCATAAAGACAATACAGCAGAGAAACCTCAAACCTAACATTCGATTG
 AAGAAGATGGCTTCCCTTGCCAGAAAAGCCAGTCTCTGGCTATTCTGAGCTCTGAGGAGCAAATGTGTG
 GCATTCACAGGGAGACAAAGAAGATGTTCTGTGAAGTGGACAGGAGCCTGCTCTGTTTGTGTGCTCCAG
 CTCTCAGGAGCACCGGTATCACAGACACTGTCCCGCTGAGTGGGCTGCTGAGGAACACTGGGAGAAGCTG
 TTAAGAAAATGCAGTCTTTATGGGAAAAGCTTGTGAAAATCAGAGAAACCTGAATGTGAAAACACCA
 GAATCAGCCACTGGAAGGCTTTTGGAGACATATTATACAGGAGTGAGTCCGTGCTGCTGCACATGCCCA
 GCCTCTGAATCTAGCGCTCAGGGCAGGGCCCATCACTGGACTGAGGGACAGGCTCAACCAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201452 protein sequence
 Red=Cloning site Green=Tags(s)

MNSGISQVFQRELTCPICMNYFIDPVTIDCGHSFCRCPFYLNWQDIPILTQCFECIKTIQQRNLKTNIRL
 KKMASLARKASLWFLSSEEQMCGIHRETKKMFCEVDRSLLCLLCSSSQEHRYHRHCPAEWAAEEHWEKL
 LKKMQSLWEKACENQRNLNVETTRISHWKAFGDILYRSESVLLHMPQPLNLALRAGPITGLRDLNQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6084_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024114

ORF Size: 624 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.

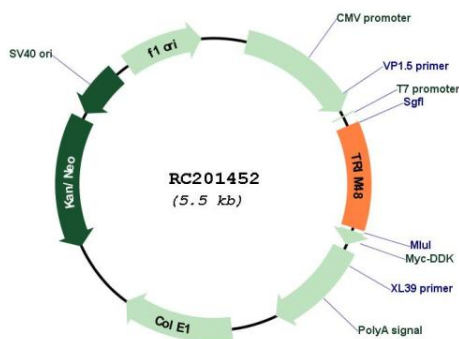
RefSeq: [NM_024114.2](#), [NP_077019.1](#)

RefSeq Size: 1463 bp

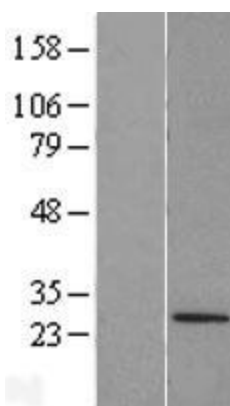
RefSeq ORF: 675 bp

Locus ID: 79097

UniProt ID: [Q8IWZ4](#)
 Cytogenetics: 11q11
 Protein Families: Druggable Genome
 MW: 24.5 kDa

Product images:


Circular map for RC201452



Western blot validation of overexpression lysate (Cat# [LY411348]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201452 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).