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Product datasheet for RC225748

TRIM49D2 (NM_001105522) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM49D2 (NM_001105522) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM49D2
Synonyms:	TRIM48L1; TRIM49D1; TRIM49D2P; TRIM49L; TRIM49L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC225748 representing NM_001105522
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTCTGGAATCTCGCAAGTCTTCCAGAGGGAACTCACCTGCCCCATCTGCCTGAACTACTTCATAG
ACCCGGTCACCATAGACTGTGGGCACAGCTTTTGCAGGCCCTGTTTCTACCTCAACTGGCAAGACATCCC
AATTCTTACTCAGTGCTTTGAATGCCTAAAGACAACACAGCAGAGAAACCTCAAAACTAACATTCGATTG
AAGAAGATGGCTTCCCGTGCCAGAAAAGCCAGTCTCTGGCTATTCCTGAGCTCTGAGGAGCAAATGTGTG
GCACTCACAGGGAGACAAAGAAGATATTCTGTGAAGTGGACAGGAGCCTGCTCTGTTTGCTGTGCTCCAG
CTCTCTGGAGCACCGGTATCACAGACACTGTCCCGCTGAGTGGGCTGCTGAGGAACACCGGGAGAAGCTT
TTAAAGAAAATGCAGTCTTTATGGGAAAAAGTTTGTGAAAATCAGAGAAACCTGAACGTGGAAACCACCA
GAATCAGCCACTGGAAGGATTATGTGAATGTAAGGCTAGAAGCTATTAGAGCTGAGTATCAGAAGATGCC
TGCATTTCATCATGAAGAAGAAAAACATAATTTGGAGATGCTGAAAAAGAAGGGGAAAGATATTTTTCAT
CGACTTCATTTAAGTAAAGCCAAAATGGCTCACAGGAGGGAGATTTTAAGAGGAACGTATGCGGAGCTGA
TGAAAATGTGCCATAAACCAGATGTGGAGCTACTTCAGGCTTTTGGAGACATATTACACAGGAGTGAGTC
CGTGCTGCTGCACATGCCCCAGCCTCTGAATCTAGAGCTCAGGGCAGGGCCCATCACTGGACTGAGGGAC
AGGCTCAACCAATTCCGAGTGGATATTACTCTGCCTCATAATGAAGCCAACAGTCATATCTTCCGACGTG
GAGATTTGAGAAGCATTTGTATTGGATGTGACCGTCAAAATGCGCCCCATATCACTGCAACACCTACAAG
TTTTCTTGCATGGGGTGCTCAGACTTTCACCTCTGGCAAATATTACTGGGAGGTCCATGTGGGGGACTCT
TGGAATTGGGCCTTTGGTGTCTGTAATAAGTATTGGAAAGGGACGAATCAGAATGGCAATATACATGGAG
AGGAGGGACTCTTTAGTCTTGGGTGTGTTAAGAATGACATTCAGTGCAGCCTCTTTACCACCTCCCCACT
TACACTGCAGTATGTCCCAAGACCTACCAACCATGTAGGATTATTCCTGGATTGTGAAGCTAGAACTGTG
AGCTTCGTTGATGTTAATCAAAGCTCCCCTATACACACCATCCCTAATTGCTCCTTCTCACCTCCTCTCA
GGCCTATCTTTTGCTGTGTTCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225748 representing NM_001105522
Red=Cloning site Green=Tags(s)

MNSGISQVFQRELTCPICLNYFIDPVTIDCGHSFCRPCFYLNWQDIPILTQCFECLKTTQQRNLKTNIRL
KKMASRARKASLWLFLSSEEQMCGTHRETKKIFCEVDRSLLCLLCSSSLEHRYHRHCPAEWAAEEHREKL
LKKMQSLWEKVCENQRNLNVETTRISHWKDYVNVRLEAIRAEYQKMPAFHHEEEKHNLEMLKKKGKDIFH
RLHLSKAKMAHRREILRGTYAELMKMCHKPDVELLQAFGDILHRSESVLLHMPQPLNLELRAGPITGLRD
RLNQFRVDITLPHNEANSHIFRRGDLRSICIGCDRQNAPHITATPTSFLAWGAQTFTSGKYYWEVHVGDS
WNWAFGVCNKYWKGTNQNGNIHGEEGLFSLGCVKNDIQCSLFTTSPLTLQYVPRPTNHVGLFLDCEARTV
SFVDVNQSSPIHTIPNCSFSPPLRPIFCCVHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8035_b01.zip

Restriction Sites: SgfI-MluI

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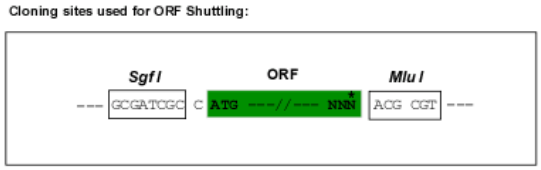
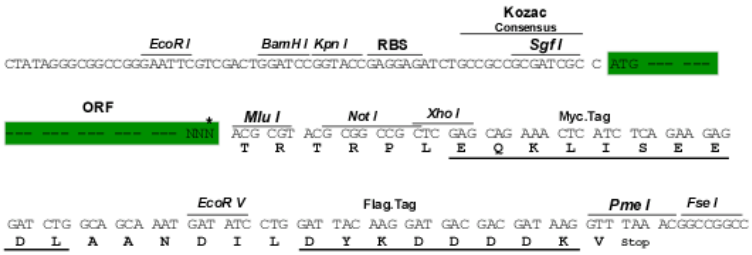
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN: NM_001105522

ORF Size: 1356 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001105522.1, NP_001098992.1

RefSeq ORF: 1359 bp

Locus ID: 729384

UniProt ID: C9J1S8

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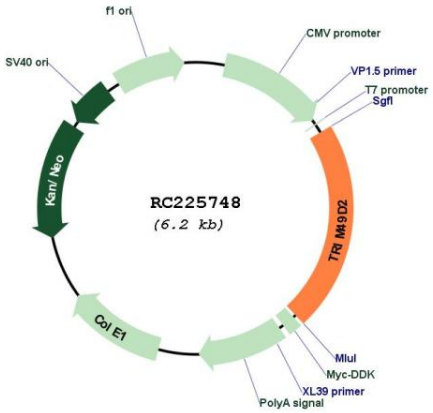
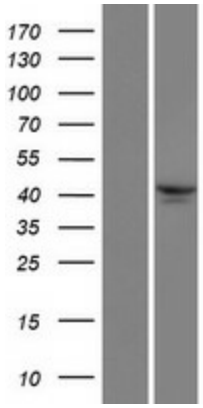
Cytogenetics: 11q14.3

MW: 52.3 kDa

Product images:



Circular map for RC225748



Western blot validation of overexpression lysate (Cat# [LY426249]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225748 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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