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Product datasheet for RC201252

TRIP (TRAIP) (NM_005879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP (TRAIP) (NM_005879) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIP
Synonyms:	RNF206; SCKL9; TRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC201252 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTATCCGTGCTCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGCGACGTGGCCGCCATCC
ACTGCGGCCACACCTTCCACTTGCAGTGCCTAATTCAGTGGTTTGAGACAGCACCAAGTCGGACCTGCCC
ACAGTGCCGAATCCAGGTTGGCAAAAGAACCATTATCAATAAGCTCTTCTTTGATCTTGCCCAGGAGGAG
GAGAATGTCTTGGATGCAGAATTCTTAAAGAATGAACTGGACAATGTCAGAGCCCAGCTTTCCCAGAAAG
ACAAGGAGAAACGAGACAGCCAGGTCATCATCGACACTCTGCGGGATACGCTGGAAGAACGCAATGCTAC
TGTGGTATCTCTGCAGCAGGCCTTGGGCAAGGCCGAGATGCTGTGCTCCACACTGAAAAAGCAGATGAAG
TACTTAGAGCAGCAGCAGGATGAGACCAAACAAGCACAAGAGGAGGCCCGCCGGCTCAGGAGCAAGATGA
AGACCATGGAGCAGATTGAGCTTCTACTCCAGAGCCAGCGCCCTGAGGTGGAGGAGATGATCCGAGACAT
GGGTGTGGGACAGTCAGCGGTGGAACAGCTGGCTGTGTACTGTGTGTCTCTCAAGAAAGAGTACGAGAAT
CTAAAAGAGGCACGGAAGGCCTCAGGGGAGGTGGCTGACAAGCTGAGGAAGGATTTGTTTTCCTCCAGAA
GCAAGTTGCAGACAGTCTACTCTGAATTGGATCAGGCCAAGTTAGAACTGAAGTCAGCCCAGAAGGACTT
ACAGAGTGCTGACAAGGAAATCATGAGCCTGAAAAAGAAGCTAACGATGCTGCAGGAAACCTTGAACCTG
CCACCAGTGGCCAGTGAGACTGTCGACCGCCTGGTTTTAGAGAGCCCAGCCCCTGTGGAGGTGAATCTGA
AGCTCCGCCGGCCATCCTTCCGTGATGATATTGATCTCAATGCTACCTTTGATGTGGATACTCCCCCAGC
CCGGCCCTCCAGCTCCCAGCATGGTTACTACGAAAAACTTTGCCTAGAGAAGTCACACTCCCCAATTCAG
GATGTCCCCAAGAAGATATGCAAAGGCCCCAGGAAGGAGTCCCAGCTCTCACTGGGTGGCCAGAGCTGTG
CAGGAGAGCCAGATGAGGAACTGGTTGGTGCCTTCCCTATTTTTGTCCGGAATGCCATCCTAGGCCAGAA
ACAGCCCAAGAGGCCCAGGTCAGAGTCCTCTTGCAGCAAAGATGTGGTAAGGACAGGCTTCGATGGGCTC
GGTGGCCGGACAAAATTCATCCAGCCTACTGACACAGTCATGATCCGCCCATTGCCTGTTAAGCCCAAGA
CCAAGGTTAAGCAGAGGGTGAGGGTGAAGACAGTGCCTTCTCTCTTCCAGGCCAAGCTGGACACCTTCCT
GTGGTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201252 protein sequence
Red=Cloning site Green=Tags(s)

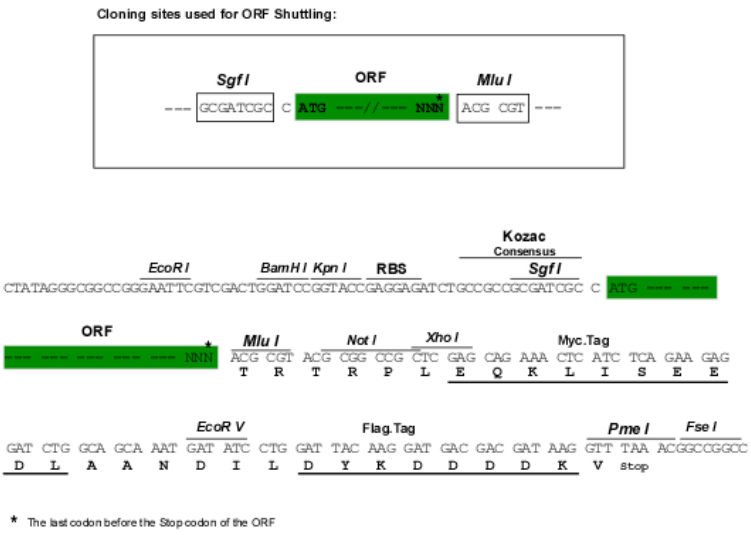
MPIRALCTICSDFFDHSRDVAAIHCGHTFHLQCLIQWFETAPSRTCPQCRIQVGKRTIINKLFFDLAQEE
ENVLDAEFLKNELDNVRAQLSQKDKEKRDSQVIIDTLRDTLEERNATVVSLQQALGKAEMLCSTLKKQMK
YLEQQQDETKQAQEEARRLRSKMKTMEQIELLLQSQRPEVEEMIRDMGVGQSAVEQLAVYCVSLKKEYEN
LKEARKASGEVADKLRKDLFSSRSKLQTVYSELDQAKLELKSAQKDLQSADKEIMSLKKKLTMLQETLNL
PPVASETVDRLVLESPAPVEVNLKLRRPSFRDDIDLNATFDVDTPPARPSSSQHGYYEKLCLEKSHSPIQ
DVPKKICKGPRKESQLSLGGQSCAGEPDEELVGAFPIFVRNAILGQKQPKRPRSESSCSKDVVRTGFDGL
GGRTKFIQPTDTVMIRPLPVKPKTKVKQRVRVKTVPSLFQAKLDTFLWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6376_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005879

ORF Size: 1407 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_005879.3

RefSeq Size: 2042 bp

RefSeq ORF: 1410 bp

Locus ID: 10293

UniProt ID: Q9BWF2

Cytogenetics: 3p21.31

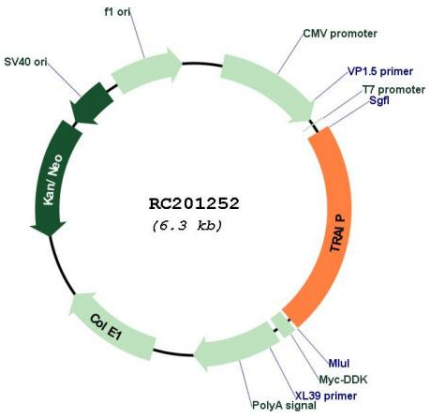
Domains: RING

Protein Families: Druggable Genome, Stem cell - Pluripotency

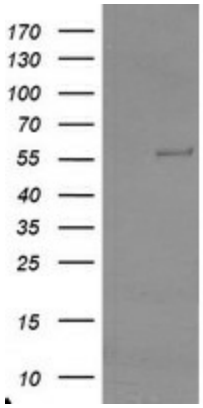
MW: 53.3 kDa

Gene Summary: This gene encodes a protein that contains an N-terminal RING finger motif and a putative coiled-coil domain. A similar murine protein interacts with TNFR-associated factor 1 (TRAF1), TNFR-associated factor 2 (TRAF2), and cylindromatosis. The interaction with TRAF2 inhibits TRAF2-mediated nuclear factor kappa-B, subunit 1 activation that is required for cell activation and protection against apoptosis. [provided by RefSeq, Jul 2008]

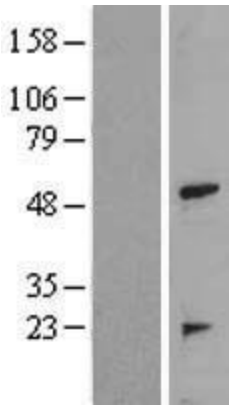
Product images:



Circular map for RC201252



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRAIP (Cat# RC201252, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRAIP(Cat# [TA800086]). Positive lysates [LY416999] (100ug) and [LC416999] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416999]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201252 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).