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Product datasheet for RC202599

TRADD (NM_003789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRADD (NM_003789) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRADD
Synonyms:	Hs.89862
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC202599 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCTGGGCAAAATGGGCACGAAGAGTGGGTGGGCAGCGCATACCTGTTTGTGGAGTCCTCGCTGG
ACAAGGTGGTCCTGTCGGATGCCTACGCGCACCCCCAGCAGAAGGTGGCAGTGTACAGGGCTCTGCAGGC
TGCCTTGGCAGAGAGCGGCGGGAGCCCGGACGTGCTGCAGATGCTGAAGATCCACCGCAGCGACCCGCAG
CTGATCGTGCAGCTGCGATTCTGCGGGCGGCAGCCCTGTGGCCGCTTCCTCCGCGCCTACCGCGAGGGGG
CGCTGCGCGCCGCGCTGCAGAGGAGCCTGGCGGCCGCGCTCGCCCAGCACTCGGTGCCGCTGCAACTGGA
GCTGCGCGCCGGCGCCGAGCGGCTGGACGCTTTGCTGGCGGACGAGGAGCGCTGTTTGAGTTGCATCCTA
GCCCAGCAGCCCGACCGGCTCCGGGATGAAGAACTGGCTGAGCTGGAGGATGCGCTGCGAAATCTGAAGT
GCGGCTCGGGGGCCCGGGGTGGCGACGGGGAGGTCGCTTCGGCCCCCTTGCAGCCCCCGGTGCCCTCTCT
GTCGGAGGTGAAGCCGCCGCCGCCGCCGCCACCTGCCCAGACTTTTCTGTTCCAGGGTCAGCCTGTAGTG
AATCGGCCGCTGAGCCTGAAGGACCAACAGACGTTCGCGCGCTCTGTGGGTCTCAAATGGCGCAAGGTGG
GGCGCTCACTGCAGCGAGGCTGCCGGGCGCTGCGGGACCCGGCGCTGGACTCGCTGGCCTACGAGTACGA
GCGCGAGGGACTGTACGAGCAGGCCTTCCAGCTGCTGCGGCGCTTCGTGCAGGCCGAGGGCCGCCGCGCC
ACGCTGCAGCGCCTGGTGGAGGCACTCGAGGAGAACGAGCTCACCAGCCTGGCAGAGGACTTGCTGGGCC
TGACCGATCCCAATGGCGGCCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC202599 protein sequence
Red=Cloning site Green=Tags(s)

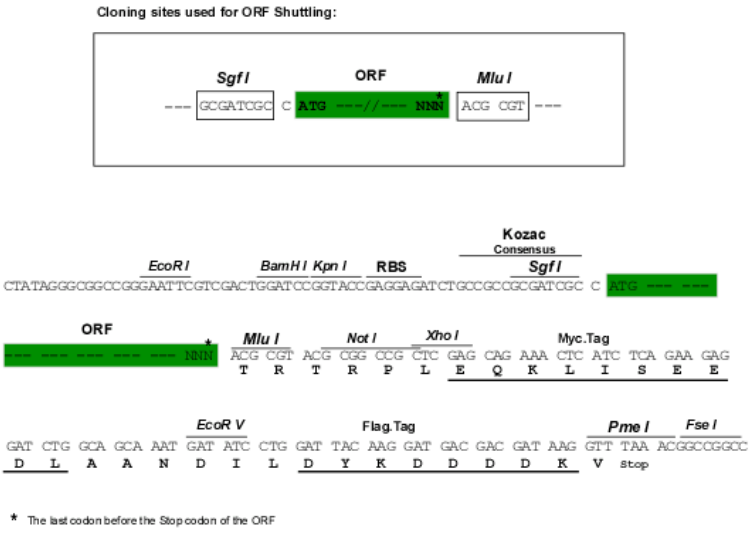
MAAGQNGHEEWVGSAYLFVESSLDKVVLSDAYAHPQQKVAVYRALQAALAESGGSPDVLQMLKIHRSDPQ
LIVQLRFCGRQPCGRFLRAYREGALRAALQRSLAAALAQHSVPLQLELRAGAERLDALLADEERCLSCIL
AQQPDRLRDEELAELEDALRNLKCGSGARGGDGEVASAPLQPPVPSLSEVKPPPPPPPAQTFLFQGQPVV
NRPLSLKDQQTFARSVGLKWRKVGRSLQRGCRALRDPALDSLAYEYEREGLYEQAFQLLRRFVQAEGRRA
TLQRLVEALEENELTSLAEDLLGLTDPNGGLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6085_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003789

ORF Size: 936 bp

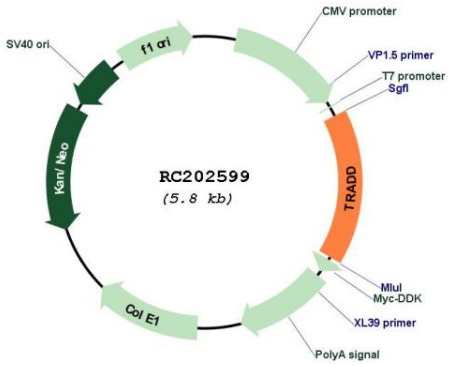
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

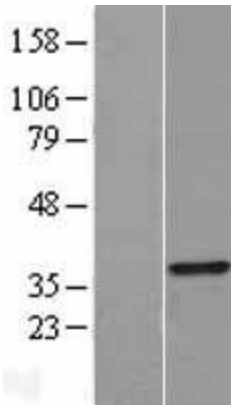
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_003789.4
RefSeq Size:	1496 bp
RefSeq ORF:	939 bp
Locus ID:	8717
UniProt ID:	Q15628
Cytogenetics:	16q22.1
Domains:	DEATH
Protein Families:	Druggable Genome
Protein Pathways:	Adipocytokine signaling pathway, Apoptosis, RIG-I-like receptor signaling pathway
MW:	34.2 kDa
Gene Summary:	The protein encoded by this gene is a death domain containing adaptor molecule that interacts with TNFRSF1A/TNFR1 and mediates programmed cell death signaling and NF-kappaB activation. This protein binds adaptor protein TRAF2, reduces the recruitment of inhibitor-of-apoptosis proteins (IAPs) by TRAF2, and thus suppresses TRAF2 mediated apoptosis. This protein can also interact with receptor TNFRSF6/FAS and adaptor protein FADD/MORT1, and is involved in the Fas-induced cell death pathway. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202599



Western blot validation of overexpression lysate (Cat# [LY401247]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202599 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).