OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC203191

RNF34 (NM_025126) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF34 (NM_025126) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF34
Synonyms:	CARP-1; CARP1; hRFI; RFI; RIF; RIFF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC203191 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGCGGGTGCCACGTCTATGTGGGCTTCGTGCTGTGGGCTGCTGAATGAAGTCATGGGAACTGGAG
CTGTCAGGGGCCAGCAGTCAGCATTTGCAGGAGCCACCGGTCCATTCAGATTTACACCAAACCCTGAGTT
TTCCACCTACCCACCAGCAGCTACGGAAGGGCCCAACATAGTTTGTAAAGCCTGTGGGCTTTCATTTTCA
GTCTTTAGAAAGAAGCATGTTTGCTGTGACTGCAAGAAGGATTTTTGCTCCGTTTGTTCAGTCTTACAAG
AAAATCTCCGTAGATGTTCTACTTGTCACTTATTACAAGAGACAGCATTTCAGCGCCCTCAGTTAATGCG
ACTGAAGGTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGATACTTGTCGTGAGAAA
GAAGACTTGGTGGATCTAGTACTGTGCCATCATGGACTAGGCTCTGAGGACGACATGGACACAAGCAGTC
TGAATTCTTCAAGGTCCCAGACTTCTAGCTTTTTTACACGTTCGTTTTTTTCAAACTATACAGCCCCCTC
TGCTACTATGTCTTCGTTTCAGGGAGAGCTTATGGATGGAGACCAAACATCCAGATCTGGAGTGCCGGCA
CAGGTACAAAGTGAAATCACTTCAGCAAACACAGAAGATGATGATGACGACGATGATGAGGATGATGATG
ATGAAGAAGAAAACGCAGAGGATCGGAACCCCGGGCTCTCCAAGGAGAGAGTGAGAGCTTCACTGTCTGA
CTTGTCAAGCCTTGATGATGTGGAAGGAATGAGCGTGCGCCAGCTGAAGGAAATTCTGGCTCGGAATTTT
GTCAACTATTCTGGCTGTTGTGAAAAATGGGAACTGGTAGAGAAAGTAAACCGGTTATACAAAGAGAATG
AAGAAAACCAAAAGTCCTATGGCGAGCGGCTGCAGCTGCAGGATGAGGAAGACGACAGCCTGTGTCGCAT
CTGCATGGATGCCGTCATCGACTGTGTCCTACTGGAGTGTGGGCACATGGTTACCTGCACCAAGTGCGGC
AAGCGCATGAGTGAGTGTCCCATCTGCCGGCAGTATGTGGTGCGAGCCGTGCACGTGTTCAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC203191 protein sequence
Red=Cloning site Green=Tags(s)

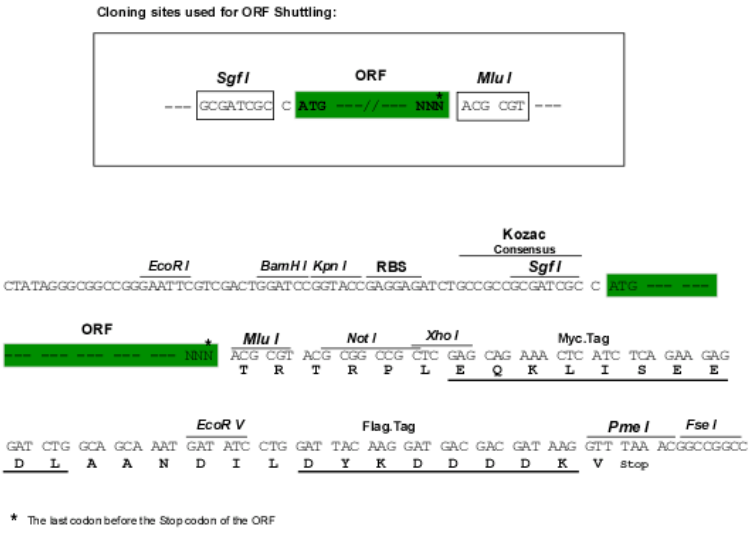
MKAGATSMWASCCGLLNEVMGTGAVRGQQSAFAGATGPFRFTPNPEFSTYPPAATEGPNIVCKACGLSFS
VFRKKHVCCDCKKDFCSVCSVLQENLRRCSTCHLLQETAFQRPQLMRLKVKDLRQYLILRNIPIDTCREK
EDLVDLVLCHHGLGSEDDMDTSSLNSSRSQTSSFFTRSFFSNYTAPSATMSSFQGELMDGDQTSRSGVPA
QVQSEITSANTEDDDDDDDEDDDDEEENAEDRNPGLSKERVRASLSDLSSLDDVEGMSVRQLKEILARNF
VNYSGCCEKWELVEKVNRLYKENEENQKSYGERLQLQDEEDDSLCRICMDAVIDCVLLECGHMVTCTKCG
KRMSECPICRQYVVRAVHVFKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6152_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025126

ORF Size: 1116 bp

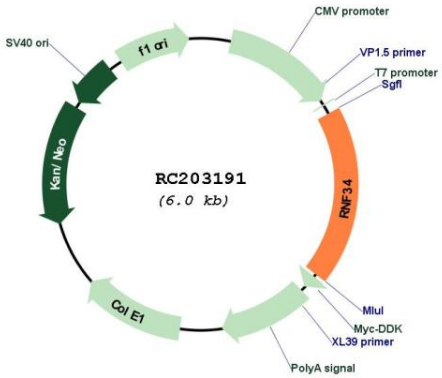
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

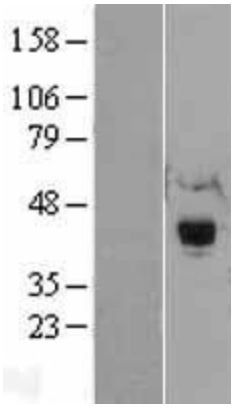
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_025126.3
RefSeq Size:	2055 bp
RefSeq ORF:	1119 bp
Locus ID:	80196
UniProt ID:	Q969K3
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome
MW:	41.6 kDa
Gene Summary:	The protein encoded by this gene contains a RINF finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein interacts with DNAJA3/hTid-1, which is a DnaJ protein reported to function as a modulator of apoptosis. Overexpression of this gene in Hela cells was shown to confer the resistance to TNF-alpha induced apoptosis, suggesting an anti-apoptotic function of this protein. This protein can be cleaved by caspase-3 during the induction of apoptosis. This protein also targets p53 and phospho-p53 for degradation. Alternatively splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2012]

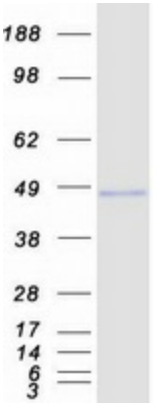
Product images:



Circular map for RC203191



Western blot validation of overexpression lysate (Cat# [LY403050]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203191 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNF34 protein (Cat# [TP303191]). The protein was produced from HEK293T cells transfected with RNF34 cDNA clone (Cat# RC203191) using MegaTran 2.0 (Cat# [TT210002]).