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Product datasheet for RC211608

RNF34 (NM_194271) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF34 (NM_194271) 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:

>RC211608 representing NM_194271
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAGGCGGGTGCCACGTCTATGTGGGCTTCGTGCTGTGGGCTGCTGAATGAAGTCATGGGAACTG
GAGCTGTCAGGGGCCAGCAGTCAGCATTTGCAGGAGCCACCGGTCCATTCAGATTTACACCAAACCCTGA
GTTTTCCACCTACCCACCAGCAGCTACGGAAGGGCCCAACATAGTTTGTAAAGCCTGTGGGCTTTCATTT
TCAGTCTTTAGAAAGAAGCATGTTTGCTGTGACTGCAAGAAGGATTTTTGCTCCGTTTGTTCAGTCTTAC
AAGAAAATCTCCGTAGATGTTCTACTTGTCACTTATTACAAGAGACAGCATTTCAGCGCCCTCAGTTAAT
GCGACTGAAGGTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGATACTTGTCGTGAG
AAAGAAGACTTGGTGGATCTAGTACTGTGCCATCATGGACTAGGCTCTGAGGACGACATGGACACAAGCA
GTCTGAATTCTTCAAGGTCCCAGACTTCTAGCTTTTTTACACGTTCGTTTTTTTCAAACTATACAGCCCC
CTCTGCTACTATGTCTTCGTTTCAGGGAGAGCTTATGGATGGAGACCAAACATCCAGATCTGGAGTGCCG
GCACAGGTACAAAGTGAAATCACTTCAGCAAACACAGAAGATGATGATGACGACGATGATGAGGATGATG
ATGATGAAGAAGAAAACGCAGAGGATCGGAACCCCGGGCTCTCCAAGGAGAGAGTGAGAGCTTCACTGTC
TGACTTGTCAAGCCTTGATGATGTGGAAGGAATGAGCGTGCGCCAGCTGAAGGAAATTCTGGCTCGGAAT
TTTGTCAACTATTCTGGCTGTTGTGAAAAATGGGAACTGGTAGAGAAAGTAAACCGGTTATACAAAGAGA
ATGAAGAAAACCAAAAGTCCTATGGCGAGCGGCTGCAGCTGCAGGATGAGGAAGACGACAGCCTGTGTCG
CATCTGCATGGATGCCGTCATCGACTGTGTCCTACTGGAGTGTGGGCACATGGTTACCTGCACCAAGTGC
GGCAAGCGCATGAGTGAGTGTCCCATCTGCCGGCAGTATGTGGTGCGAGCCGTGCACGTGTTCAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC211608 representing NM_194271
Red=Cloning site Green=Tags(s)

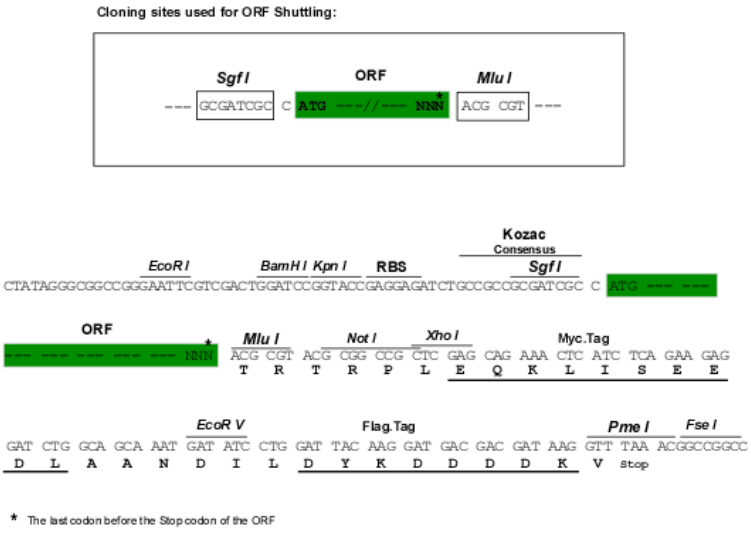
MRKAGATSMWASCCGLLNEVMGTGAVRGQQSAFAGATGPFRFTPNPEFSTYPPAATEGPNIVCKACGLSF
SVFRKKHVCCDCKKDFCSVCSVLQENLRRCSTCHLLQETAFQRPQLMRLKVKDLRQYLILRNIPIDTCRE
KEDLVDLVLCHHGLGSEDDMDTSSLNSSRSQTSSFFTRSFFSNYTAPSATMSSFQGELMDGDQTSRSGVP
AQVQSEITSANTEDDDDDDEDDDDEEENAEDRNPGLSKERVRASLSDLSSLDDVEGMSVRQLKEILARN
FVNYSGCCEKWELVEKVNRLYKENEENQKSYGERLQLQDEEDDSLCRICMDAVIDCVLLECGHMVTCTKC
GKRMSECPICRQYVVRAVHVFKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6119_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194271

ORF Size: 1119 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_194271.2

RefSeq Size: 2105 bp

RefSeq ORF: 1122 bp

Locus ID: 80196

UniProt ID: Q969K3

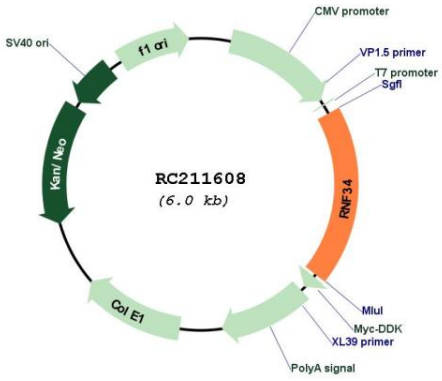
Cytogenetics: 12q24.31

Protein Families: Druggable Genome

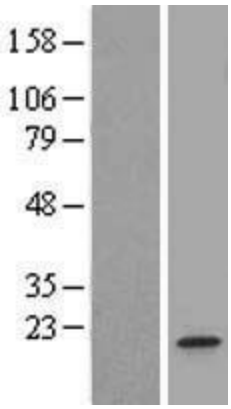
MW: 41.6 kDa

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 RC211608



Western blot validation of overexpression lysate (Cat# [LY403664]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211608 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).