

Product datasheet for **RG203191**

RNF34 (NM_025126) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF34 (NM_025126) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF34
Synonyms:	CARP-1; CARP1; hRFI; RFI; RIF; RIFF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203191 representing NM_025126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCGGGTGCCACGTCTATGTGGGCTTCGTGCTGTGGGCTGCTGAATGAAGTCATGGAACTGGAG
CTGTCAGGGGCCAGCAGTCAGCATTTCAGGAGCCACCGTCCATTAGATTACACCAAACCTGAGTT
TTCCACCTACCCACCAGCAGCTACGGAAGGCCCAACATAGTTTGTAAAGCCTGTGGGCTTTCATTTTCA
GTCTTTAGAAAAGAAGCATGTTTGTGTGACTGCAAGAAGGATTTTGTCCGTTTGTTCAGTCTTACAAG
AAAATCTCCGTAGATGTTCTACTTGTCACTTATTACAAGAGACAGCATTTCAGCGCCCTCAGTTAATGCG
ACTGAAGGTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGATACTTGTGCTGAGAAA
GAAGACTTGTTGATCTAGTACTGTGCCATCATGGACTAGGCTCTGAGGACGACATGGACACAAGCAGTC
TGAATCTTCAAGGTCCCAGACTTCTAGCTTTTTTACACGTTTCGTTTTTTCAAACATACAGCCCCCTC
TGCTACTATGTCTTCGTTTCAGGGAGAGCTTATGGATGGAGACCAACATCCAGATCTGGAGTGCCGGCA
CAGGTACAAAGTGAATCACTTCAGCAAACACAGAAGATGATGATGACGACGATGATGAGGATGATGATG
ATGAAGAAGAAAACGCAGAGGATCGGAACCCCGGGCTCTCCAAGGAGAGAGTGAGAGCTTCACTGTCTGA
CTTGTCAAGCCTTGATGATGTGGAAGGAATGAGCGTGCCGAGCTGAAGGAAATCTGGCTCGGAATTTT
GTCAAATTTCTGGCTGTTGTGAAAAATGGAACTGGTAGAGAAAGTAAACCGTTATACAAAGAGAATG
AAGAAAACCAAAAGTCTATGGCGAGCGCTGCAGCTGCAGGATGAGGAAGACGACAGCCTGTGTCGCAT
CTGCATGGATGCCGTCATCGACTGTGCTCTACTGGAGTGTGGGCACATGTTACCTGCACCAAGTGCGGC
AAGCGCATGAGTGAGTGTCCATCTGCCGCGAGTATGTGGTGCGAGCCGTGCACGTGTTCAAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203191 representing NM_025126
 Red=Cloning site Green=Tags(s)

MKAGATSMWASCCGLLNEVMGTGAVRGQSAFAGATGPFRTNPEFSTYPPAATEGPNIVCKACGLSFS
 VFRKKHVCCDCKKDFCSVCSVLQENLRRCSTCHLLQETAFQRPQLMRLKVKDLRQYLILRNIPIDTCREK
 EDLVDLVLCHHGLGSEDDMDTSSLNSSRSQTSSFFTRSFSSNYTAPSATMSSSQGELMDGDQTSRSGVPA
 QVQSEITSANTEDDDDDDDDEEENAEDRNPGLSKERVASLSDLSSLDVVEGMSVRQLKEILARNF
 VNYSGCCEKWELVEKNRLYKENEENQKSYGERLQLQDEEDDSLCRICMDAVIDCVLLECGHMTCTKCG
 KRMSECPICRQYVVRVAVHVFKS

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_025126.3](#)

RefSeq Size: 2039 bp

RefSeq ORF: 1119 bp

Locus ID: 80196

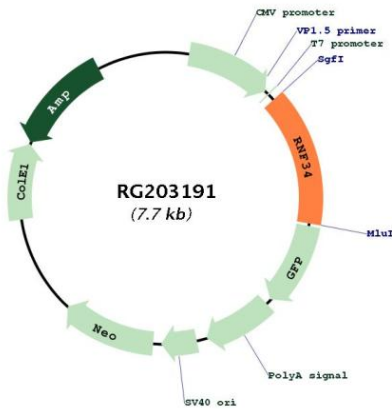
UniProt ID: [Q969K3](#)

Cytogenetics: 12q24.31

Protein Families: Druggable Genome

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 RG203191