

Product datasheet for **RG211608**

RNF34 (NM_194271) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF34 (NM_194271) 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:	>RG211608 representing NM_194271 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAAGGCGGGTGCCACGTCTATGTGGCTTCGTGCTGTGGGCTGCTGAATGAAGTCATGGAACTG
GAGCTGTCAGGGCCAGCAGTCAGCATTGTCAGGAGCCACCGTCCATTCAGATTTACACCAAACCTGA
GTTTTCCACCTACCCACCAGCAGCTACGGAAGGGCCCAACATAGTTTGAAAGCCTGTGGGCTTTCATTT
TCAGTCTTTAGAAAAGCATGTTTGTGTGACTGCAAGAAGGATTTTGTCCGTTTGTTCAGTCTTAC
AAGAAAATCTCCGTAGATGTTCTACTTGTCACTTATTACAAGAGACAGCATTTTCAGCGCCCTCAGTTAAT
GCGACTGAAGGTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGATACTTGTCTGTGAG
AAAGAAGACTTGGTGGATCTAGTACTGTGCCATCATGGACTAGGCTCTGAGGACGACATGGACACAAGCA
GTCTGAATTTCTCAAGTCCCAGACTTCTAGCTTTTTTACACGTTTCGTTTTTTCAAACATAACAGCCCC
CTCTGCTACTATGTCTTCGTTTCAGGGAGAGCTTATGGATGGAGACCAACATCCAGATCTGGAGTGCCG
GCACAGGTACAAAGTGAATCACTTCAGCAAACACAGAAGATGATGATGACGACGATGATGAGGATGATG
ATGATGAAGAAGAAAACGCAGAGGATCGGAACCCCGGGCTCTCCAAGGAGAGAGTGAGAGCTTCACTGTC
TGACTTGTCAAGCCTTGATGATGTGGAAGGAATGAGCGTGCAGCTGAAGGAAATCTGGCTCGGAAT
TTTGTCAACTATTCTGGCTGTTGTGAAAAATGGAACTGGTAGAGAAAGTAAACCGTTATACAAAGAGA
ATGAAGAAAACCAAAGTCCATATGGCGAGCGGCTGCAGCTGCAGGATGAGGAAGACGACAGCCTGTGTCTG
CATCTGCATGGATGCCGTATCGACTGTCTACTGGAGTGTGGGCACATGTTACCTGCACCAAGTGC
GGCAAGCGCATGAGTGAGTGCCCATCTGCCGCGAGTATGTGGTGCAGCCGTGCACGTGTTCAAGTCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211608 representing NM_194271
 Red=Cloning site Green=Tags(s)

MRKAGATSMWASCCGLLNEVMGTGAVRGQSAFAGATGPFRTPNPEFSTYPPAATEGPNIVCKACGLSF
 SVFRKKHVCCDCKKDFCSVCSVLQENLRRCSTCHLLQETAFQRPQLMRLKVKDLRQYLILRNIPIDTCRE
 KEDLVDLVLCCHHGLGSEDDMDTSSLNSSRSQTSSFFTRSSFFSNYTAPSATMSSFQGELMDGDQTSRSGVP
 AQVQSEITSANTEDDDDDDDDEEENAEADRNPGLSKERVRASLSDLSSLDDVEGMSVRQLKEILARN
 FVNYSGCCCKWELVEKVNRLYKENEENQKSYGERLQLQDEEDDSLRCICMDAVIDCVLLECGHMVCTKC
 GKRMSCEPICRQYVVRVAVHVFKS

TRTRPLE - GFP Tag - V

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

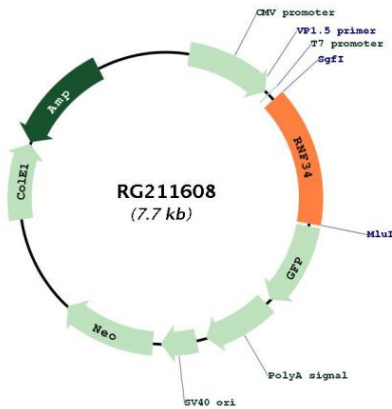
UniProt ID: [Q969K3](#)

Cytogenetics: 12q24.31

Protein Families: Druggable Genome

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 RG211608