

Product datasheet for **SC107733**

RNF34 (NM_194271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF34 (NM_194271) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF34
Synonyms:	CARP-1; CARP1; hRFI; RFI; RIF; RIFF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107733 sequence for NM_194271 edited (data generated by NextGen Sequencing)

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ATGAGGAAGGCGGGTGCCACGTCTATGTGGCTTCGTGCTGTGGGCTGCTGAATGAAGTC
ATGGGAAGCTGGAGCTGTACAGGGCCAGCAGTCAGCATTTGCAGGAGCCACCGGTCCATTC
AGATTTACACCAAACCTGAGTTTTCCACCTACCCACCAGCAGCTACGGAAGGGCCCAAC
ATAGTTTGTAAAGCCTGTGGGCTTTCATTTTCAGTCTTTAGAAAGAAGCATGTTTGCTGT
GACTGCAAGAAGGATTTTGTCCGTTTGTTCAGTCTTACAAGAAAATCTCCGTAGATGT
TCTACTTGTCACTTATTACAAGAGACAGCATTTTCAGCGCCCTCAGTTAATGCGACTGAAG
GTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGATACTTGTGCTGAG
AAAGAAGACTTGGTGGATCTAGTACTGTGCCATCATGGACTAGGCTCTGAGGACGACATG
GACACAAGCAGTCTGAATTCTTCAAGGTCCCAGACTTCTAGCTTTTTTACACGTTTCGTTT
TTTTCAAATATACAGCCCCCTCTGCTACTATGTCTTCGTTTCAGGGAGAGCTTATGGAT
GGAGACCAAACATCCAGATCTGGAGTGCCGGCACAGGTACAAAAGTGAAATCACTTCAGCA
AACACAGAAGATGATGATGACGACGATGATGAGGATGATGATGATGAAGAAGAAAACGCA
GAGGATCGGAACCCCGGGCTCTCCAAGGAGAGAGTGAGAGCTTCACTGTCTGACTTGTC
AGCCTTGATGATGTGGAAGGAATGAGCGTGCGCCAGCTGAAGGAAATCTGGCTCGGAAT
TTTGTCAACTATTCTGGCTGTTGTGAAAAATGGAACTGGTAGAGAAAAGTAAACCGTTA
TACAAAGAGAATGAAGAAAACAAAAGTCTATGGCGAGCGGCTGCAGCTGCAGGATGAG
GAAGACGACAGCCTGTGTCGCATCTGCATGGATGCCGTCATCGACTGTGTCTACTGGAG
TGTGGGCACATGGTTACCTGCACCAAGTGCAGCAAGCGCATGAGTGAGTGTCCCATCTGC
CGGCAGTATGTGGTGCAGCCGTGCACGTGTTCAAGTCCTGA

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Clone variation with respect to NM_194271.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_194271 unedited</p> <pre>TCAGTATTTTGTAAACGACTCACTCATAGGGCGGCCGGAATTCGCACGAGTATAAAAC AAAAACCAAGCATGAGGAAGGCGGGTGCCACGTCTATGTGGGCTTCGTGCTGTGGGCTG CTGAATGAAGTCATGGGAACTGGAGCTGTCAAGGGCCAGCAGTCAGCATTTGCAGGATCC ACCGGTCCATTTCATTTACACCAAAACCCTGAGTTTTCCACCTACCCACCATCAGCTACG GAAGGGCCCAACATAGTTTGTAAAGCCTGTGGGCTTTCATTTTCAGTCTTTATAAAGAAG CATGTTTGCTGTGACTGCAAGAAGGATTTTTGCTCCGTTTGTTCAGTCTTACAAGAAAAT CTCCGTAGATGTTCTACTTGTCACTTATTACAAGATACAGCATTTTCAGCGCCCTCAGTTA ATGCGACTGAAGGTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGAT ACTTGTGCTGAGAAAGAAGACTTGGTGGATCTAGTACTGTGCCATCATGGACTATGCTCT GAGGACGACATGGACACAAGCAGTCTGAATTTCAAGGTCCCAGACTTCTAGCTTTTGT ACACGTTCTGTTGTTTTCAAACATACAGCCCCCTCTGCTACTATGTCTTCGTTTCAGGGA GAGCTTATGGATGGAGACCAACATCCAGATCTGGAGTGCCGGCACATGTACAAAGTGAA ATCACTTCAGCAACACAGAAAATGATGATGACGACGATGATGAGGATGATGATGATGAAG AAGATACGCANAGGATCGGAACCNCGGNNCTCTCAGAGAGAGTGAGAGCTCACTGTCTG ACTTGTACGCCTTGATATGTGGATGAATGANCGTGCGCANCTGAAGAANTNCTGCTCGNN ATTTGTCACTTTCTGGCTGTGTGAAAATGGAAGTGGTNAGAATGTAACCGGTATCAAGAG ATGAGAAAACAAAGTCCTGGCGAGCGCTGCACTGCAGATGAGAAN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_194271 unedited</p> <pre>NAAAAGTAGGAACCGCGCCGCAANCTAANGATCGGTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCTTTAAAACCAATTTTATCCAAAGTTAAA AACAGCTAGCGGGTAACACTGAAAATACCCCTTCCCTATACAAAACAATGTAAGTGGTT ACCCCTTAATAAGGAATTAACCCACCCCTTTTAATAAAAAAACCAATGCCCCCTT GGTATAAAAAGCCATACCTGAACAAAAATGGGCATGTGGAGTCCAAGGCCTGGCAGTCC ACTAAAAAAGGCAGTTGTTCCCAATTATGTTTAAATGCCAAAACCGCCACCATGGGGAA ACTTACCTTCCCAATGTTAGCCTTTAAAATATACCTGACTAAAAAAGGGAAACATTCCA AGGAACCCCTGGTCAACATGTTCCATGTGCGCCACTTGTGGACCTGGTTTCATCCCAA AGGACAAAAGTTTCAAACATCTGAACCGTTTAAAGTTAAAAATAGGATGAAGGGGAAATAA AAAAACAGGATAAGTGTCCCCCAAAAAGCAGTGGCTGATGCCACATGGGGCAACAG GCTGACTTCAATGAGTGTTCACGGGATGTGTGATAAAACCAACTGAACCCCGGAAGCTC ACGTGTCCACCAGCCAACAGGGCTCACGGCATGGACCAATGTTTCCACAACCTCAGGAGGA TTCTTTCTGGCCCTTAAAGAGTCAAAAAAAGTTTAAAAAACTTCAGCCTTTGAACAAA ATTTTCCCGCCCTTCTGGCATTGAAAGGTTGGGGGCCAAATTTGGGGGGGACTGCCCG GGTGAGGGGAACCCGTTTTAAGAATTAACCGTCCACGGTCCGACCAATATGCCCGC GGAGGGGGCCCTCCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_194271
Insert Size:	2100 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_194271.1](#), [NP_919247.1](#)

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).