

Product datasheet for **SC108787**

RNF34 (NM_025126) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF34 (NM_025126) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF34
Synonyms:	CARP-1; CARP1; hRFI; RFI; RIF; RIFF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_025126 edited
 GAATTCGGCACGAGGCGGCAGTGTGAGGAGCTGCTATGGTGTGAGTTTCCTGGTAGAGC
 CGGCCGAGCTGAGGCGGTGCGGCCATGAAGGCGGGTGCCACGTCTATGTGGCTTCGTG
 CTGTGGCTGTGAATGAAGTATGGAAGTGGAGCTGTAGGGGCCAGCAGTCAGCATT
 TGCAGGAGCCACCGTCCATTAGATTTACACCAAACCTGAGTTTTCCACCTACCCACC
 AGCAGCTACGGAAGGCCCAACATAGTTTGTAAAGCCTGTGGCTTTTCATTTTCAGTCTT
 TAGAAAGAAGCATGTTTGTGTGACTGCAAGAAGGATTTTTGCTCCGTTTGTTCAGTCTT
 ACAAGAAAATCTCCGTAGATGTTCTACTTGTCACTTATTACAAGAGACAGCATTTCAGCG
 CCCTCAGTTAATGCGACTGAAGGTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATAT
 ACCCATAGATACTTGTCTGAGAAAGAAGACTTGGTGGATCTAGTACTGTGCCATCATGG
 ACTAGGCTCTGAGGACGACATGGACACAAGCAGTCTGAATTTCAAGTCCCAGACTTC
 TAGCTTTTTTACACGTTCTGTTTTTTCAAACATACAGCCCCCTCTGCTACTATGTCTTC
 GTTTCAGGAGAGCTTATGGATGGAGACCAAACATCCAGATCTGGAGTCCGGCACAGGT
 ACAAAAGTAAAATCACTTCAGCAAACACAGAAGATGATGATGACGACGATGATGAGGATGA
 TGATGATGAAGAAGAAAACGCAGAGGATCGGAACCCCGGCTCTCCAAGGAGAGAGTGAG
 AGCTTCACTGTCTGACTTGTCAAGCCTTGATGATGTGGAAGGAATGAGCGTGCGCCAGCT
 GAAGGAAATTCTGGCTCGGAATTTGTCAACTATTCTGGCTGTTGTGAAAAATGGAACT
 GGTAGAGAAAATAAACCGTTATACAAAGAGAATGAAGAAAACAAAAGTCCATGGCGA
 GCGGCTGCAGCTGCAGGATGAGGAAGACGACAGCCTGTGTGCGATCTGCATGGATGCCGT
 CATCGACTGTGCTCTACTGGAGTGTGGGCACATGGTTACCTGCACCAAGTCCGGCAAGCG
 CATGAGTGAGTGTCCATCTGCCGGCAGTATGTGGTGGAGCCGTGCACGTGTTCAAGTC
 CTGAAACAGGCTCCCCTACCAGGACAGTCACCCCAAACCTTGACCCCAAACATTTCAAT
 GCACAGAAGGGACTGAAAAGTTATGTTCAAAGGCTGAAGCTATTTTAAACATTATTTTG
 ACTACTAAGTGGGACAGAAAGATCCATCCTGAGTTGTGGAACATTGGTCCATGCCGTG
 AGCCTGTCTGCCTGTGGACACGTGAGCTTCCCGGCTCAGCTGGGCTTTATCACACATCC
 CGTGAACACTCATTGAAGTCAGCCTGTTTGCGCCATGTGGGCATCAGCCACTGCTGTCTT
 GGGAGGACACTTATCCTGTTCTCTATTTCCCCTTCATCCTATTTTTAACTTAACTGCT
 CAGATGTTTGAACCTTCTGCTCTTTGGATGAGATCAGTGTCCACAAGTGGCCGACATG
 GAACATGCTGAGCAGTGGCTCCTCTGAATGTTCACTTTATTAGTCATGTATTTTTAAAT
 GCTAACATTTGATGAATXXAA
 AA
 CGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_025126 unedited
 AACGTACAAAATTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGCGGCAGT
 GTGAGGAGCTGCTATGGTGTGAGTTTCCTGGTAGAGCCGGCCGAGCTGAGGCGGTGCGG
 GCCATGAAGGCGGGTGCCACGTCTATGTGGCTTCGTGCTGTGGCTGCTGAATGAAGTC
 ATGGGAACTGGAGCTGTCAGGGGCCAGCAGTCAGCATTTCAGGAGCCACCGTCCATTC
 AGATTTACACCAAACCTGAGTTTTCCACCTACCCACCAGCAGCTACGGAAGGGCCCAAC
 ATAGTTTGTAAAGCCTGTGGCTTTTCAATTTTCACTTTTGAAGAAGCATGTTTGTGTG
 GACTGCAAGAAGGATTTTGTCCGTTTGTTCAGTCTTACAAGAAAATCTCCGTAGATGT
 TCTACTTGTCACTTATTACAAGAGACAGCATTTCAGCGCCCTCAGTTAATGCGACTGAAG
 GTGAAGGACCTGCGGCAGTATCTCATTCTGAGAAATATACCCATAGATACTTGTCTGTGAG
 AAAGAAGACTTGGTGGATCTAGTACTGTGCCATCATGGACTAGGCTCTGAGGACGACATG
 GACACAAGCAGTCTGAATTTTCAAGTCCCAGACTTCTAGCTTTTTTACAGTTTCGTTT
 TTTTCAAACATACAGCCCCCTCTGCTACTATGTCTTCGTTTCAGGGAGAGCTTATGGAT
 GGAGACCAAACATCCAGATCTGGAGTGGCCGACAGGTACAAAGTAAAAATCACTTCAGC
 AACACAGAAGATGATGATGACGACGATGATGAGGATGATGATGATGAAGAAGAAACGCAG
 AGGATCGGAACCCCGNCTCTCCAGGAGAGAGTGAGAGCTTCACTGTCTGACTTTGTGAG
 CCCTTGATGATGTGAAA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_025126 unedited CTGTTTGTCCCCCCCCGATTACAAATCGTCTACGCGGCCACCCTGCAAAAACACCTC CACTATACACAACAATGTACTGATCACACATTAATAAGGCAATTTACCACACACTT CTAATAAAGAAGCTACATGCAGCCCTTGCTATAAAAAGCTATACCTGAACAAAATGGA CATGTGGAGTCTAAGGCCCTGGCAGTCGACTAGAGAATGTCAGTTGTTCCCAATTATGTT CAAATGCAGAAAACAGCAACAATGTGAAACTTACATTCATCAAATGTTACCATCTAAAAT ATACATGACTACTAAAGCGAACATTTACAGGCGCCACTGCTCATCATGTTCCACGTTGGC CACTTGTGGACTGATCTCATCCAAAGAGGACAGAAGTTTCAAACATCTGAGCAGCTTA AGTAAAAATAGGACGAAGGGGAAATAAGAGAACAGGATAAGTGTCTCCCAAGACAGCA CTGGCTGATGCCACATGGTGCAAAACAGGCTGACTTCCATGAGTGTTCACCGCATGCGTG ACAAAGCCTATCTGAGCCCGGGAAGCTCACGTGCTCACAGGCAGACAGGCTGACGGCATG GACCAACGCTTCCACCACTTACGCATGGATCCTTCTGTCCCCACTTATTACGTAAAATAA TGTCTTACCACATCCTAATCCCCTGCCCTAACTCTCCANTCCCTTCTGCGCATCGAAAT GCTGGGGGCCATGCCGCGTCGCTCTTCTGTTGAGCCAGCCCGCCCTGACTTCCCTCT TCCCGGCCGCACACACATTGCGGCCAACGGGAATTACTCACGCGCCTGCGCATTGGCG TACCAACTTTGTCCCATTCTCCATGGATCAGTCCCTTCGATTCTGCCTAGTGAGCAC GGCTGCCCTTCTACTCCGTCCTGCAACGTGCCCCAAACTTCGGTTCTTCTCCCCTC CGACAGCCTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_025126
Insert Size:	2000 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:	<ol style="list-style-type: none"> 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:	<u>NM_025126.2</u> , <u>NP_079402.2</u>
RefSeq Size:	2039 bp
RefSeq ORF:	1119 bp
Locus ID:	80196
UniProt ID:	<u>Q969K3</u>
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 (2) lacks an exon in the 5' coding region which results in the use of an alternate translational start codon, compared to variant 1. The resulting isoform (2) lacks one amino acid in the N-terminus, compared isoform 1.