

Product datasheet for **SC321731**

RNF38 (NM_194332) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF38 (NM_194332) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_194332.2
 CGGAACCCGGTCGAAAGGGTCTCTCTGGCGTCTTCTGCTTCCGTGGGTTTCTGGATAG
 GCTGCGTTTTGTCTCAGGGGATGCAAGTTCTTCTTTTCAGGGTTGAAGCGTGAGAGAGG
 TTGGTTTTTGAACCGGGAGTGTTTCAGGTTATTGAGGTCCAAAAGAAATAAAGTTTTTG
 TTTACGCTGTATGGCTTGAAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCTCT
 CTCATTCAGTCTTTGATTATACATCAGCATCACCAGCTCCCTCACCACCAATGCGACCAT
 GGGAGATGACATCAAATAGGCAGCCCCCTTCAGTTCGACCAAGCCAACATCACTTCTCAG
 GGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCCCTCTGTCAGGCGCCAGAGAG
 GAAGAAGGGATCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAAATATCACCATC
 TCCCTTACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTTCCACCCTCCGAATGTAT
 CTCCCCGTCTGCTACATCCTGCTGCTCATCCACCCAGCAGAATGCAGTCATGGTTGACA
 TACATGATCAGCTCCATCAAGGAACAGTCCCTGTTTCTTACACAGTAACAACAGTGGCAC
 CACATGGGATTCCACTCTGCACAGGCCAGCACATCCCTGCTTGTAGTACACAGCAGGTCC
 CAGGATGCTCTGTGGTTTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTGCCTCTCCAA
 TGCTTCAGGCATGTTTCAGTTCAGCACTTACCAGTACCATATGCTGCATTCCACCCCTTA
 TTTCTAGTGATCCATTTCTTATACATCCTCCTCACCTTTCTCCCCATCATCCTCCTCATT
 TGCCACCACCAGGCCAGTTTGTCCCTTTCCAAACACAGCAATCAGCATCGCCTCTGCAAA
 GGATAGAAAATGAAGTGGAACTCTTAGGAGAACATCTTCCAGTAGGAGGTTTTACTTACC
 CTCCATCAGCCCACCCCAACATTACCTCCATCAGCTCCCTTGCAGTTCCTTAACACATG
 ATCCTTTGCATCAGGAGGTGTCCTTTGGAGTACCTTATCCTCCATTTATGCCTCGGAGGC
 TTACAGGACGTAGTAGATACCGATCCCAGCAGCCAATACCACCTCCCCCTTATCATCCCA
 GCTTACTGCCATATGTGTTATCAATGCTTCCAGTGCCACCTGCAGTGGGCCCAACTTTC
 GCTTTGAATTAGATGTAGAAGATGGAGAAGTAGAAAATTACGAGGCCCTGTAAACCTGG
 CAGAGCGACTGGGAGAGGCAAAGCCTCGTGGACTGACTAAAGCAGATATTGAACAACCTT
 CTCTTATCGGTTCAATCCTAACACCACAGTCAGAACAGACTTTGTGTGTAGTATGCA
 TGTGTGATTTTGTGAGTCAAGGCAGCTACTTAGAGTCTTACCCTGTAACCACGAGTTCATG
 CCAAGTGTGTTGACAAATGGCTTAAGGCAAATCGTACTTGCCCAATTTGCCGAGCTGATG
 CTTCAGAAGTGCATCGGGATTGAGAAATGACCAACCTAAGAAGCACAAATTTAGTTTGGGT
 GTTCTCATCACATGTATATACGGACTATCCATTGAACTTAATCTGTGTGGCTTCCAGCC
 CTCCTTTACCAAAAGGGTCAATGGACCTTTCTTGTCACTGTGTGACTTAATCAACTATA
 AAAGCTTACAATTA
 AA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_194332
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_194332.2](#), [NP_919313.1](#)

RefSeq Size: 5118 bp

RefSeq ORF: 1299 bp

Locus ID: 152006

UniProt ID: [Q9H0F5](#)

Cytogenetics: 9p13.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein with a coiled-coil motif and a RING-H2 motif (C3H2C2) at its carboxy-terminus. The RING motif is a zinc-binding domain found in a large set of proteins playing roles in diverse cellular processes including oncogenesis, development, signal transduction, and apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]

Transcript Variant: This variant (6) has an alternate 5' terminal exon and lacks an exon compared to variant 1. These differences cause translation initiation at a downstream AUG and an isoform (2) with a shorter N-terminus compared to isoform 1. Variants 2, 5 and 6 encode the same isoform.