

## Product datasheet for **SC107720**

### **RNF38 (NM\_194330) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF38 (NM_194330) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_194330, the custom clone sequence may differ by one or more nucleotides

```
ATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCTTCAGTTCGACCAAGCCAACATCACTTCTCAG
GGGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCCCTCCTGTCAGGCGCCAGAGAGGAAGAAGGGA
TCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAACTATCACCATCTCCCTTACGCACAGCAGCAA
GCAATAGAGGAGCCTCGAGCCTTCCACCCTCCGAATGTATCTCCCGTCTGCTACATCCTGCTGCTCATC
CACCCAGCAGAATGCAGTCATGGTTGACATACATGATCAGCTCCATCAAGGAACAGTCCCTGTTTCTTA
CACAGTAACAACAGTGGCACCACATGGGATTCACCTCTGCACAGGCCAGCACATCCCTGCTGTAGTACA
CAGCAGTCCCAGGATGCTCTGTGGTTTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTGCCTCCTCCAA
TGCTTCAGGCATGTTTCAGTTCAGCACTTACCAGTACCATATGCTGCATTCCCACCCCTTATTTCTAGTGA
TCCATTTCTTATACATCCTCCTCACCTTTCTCCCATCATCCTCCTCATTGCCACCACCAGGCCAGTTT
GTCCCTTCCAAACACAGCAATCACGATCGCCTCTGCAAAGGATAGAAAATGAAGTGGAACCTTAGGAG
AACATCTCCAGTAGGAGGTTTTACTTACCCTCCATCAGCCCACCCCAACATTACCTCCATCAGCTCC
CTTGACAGTCTTAACACATGATCCTTTGCATCAGGAGGTGTCCTTTGGAGTACCTTATCCTCCATTTATG
CCTCGGAGGCTTACAGGACGTAGTAGATACCGATCCCAGCAGCCAATACCACCTCCCTTATCATCCCA
GCTTACTGCCATATGTGTTATCAATGCTTCCAGTGCCACCTGCAGTGGGCCAACTTTCAGCTTTGAATT
AGATGTAGAAGATGGAGAAGTAGAAAATTACGAGGCCCTGTTAAACCTGGCAGAGCGACTGGGAGAGGCA
AAGCCTCGTGGACTGACTAAAGCAGATATTGAACAACCTCCTTCTTATCGGTTCAATCCTAACAACCACC
AGTCAGAACAGACTTTGTGTGTAGTATGCATGTGTGATTTTGAGTCAAGGCAGCTACTTAGAGTCTTACC
CTGTAACCACGAGTTCATGCCAAGTGTGTTGACAAAATGGCTTAAGGCAAATCGTACTTGCCCAATTTGC
CGAGCTGATGCTTCAGAAGTGCATCGGGATTGAGAATGA
```



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_194330 unedited  
 AAGGCGGCCCGCAATTCGCACGAGGGCCCAAGTGATCAGAACACTACCGTTCAAAGGA  
 TGCTCACTTCAAAGCTTTCTCCAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCT  
 CTCTCATTCACTTTGATTATACATCAGCATCACCAGCTCCCTCACCACCAATGCGACC  
 ATGGGAGATGACATCAAATAGGCAGCCCCCTTCAGTTCGACCAAGCCAACATCACTTCTC  
 AGGGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCTCCTGTGAGGCGCCAGAG  
 AGGAAGAAGGATCGTCTGTCTCGACATAATCCATTAGTCAAGATGAAAACATCACCA  
 TCTCCCTTACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTCCACCCTCCGAATGT  
 ATCTCCCCGTCTGCTACATCCTGCTGCTCATCCACCCAGCAGAATGCAGTCATGGTTGA  
 CATAATGATCAGCTCCATCAAGGAACAGTCCCTGTTTCTTACACAGTAAACAACAGTGGC  
 ACCACATGGGATCCACTCTGCACAGGCCAGCACATCCCTGCTTGTAGTACACAGCAGGT  
 CCCAGGATGCTCTGTGGTTTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTGCTCTNC  
 ATGCTTCAAGATGTTCAAGTTCAGCACTTACCAGTACCATATGCTGCATNTCCACCCTTA  
 TNTCTAGTATCCATTTCTTATACATNCTNCTCACCTTTCTNCCCATCATCTNCTCATT  
 TGCCACCACCAGGCCAGTTTGGTCCCTTTCNAACACNAGCATCAGATCGCTCTGCAA  
 GATAGAAAATGAGTGGAACTCTTAGAAGACATCTCCAGTAAAGAAGTTTTACTTACCTCT  
 TAGCCACCCCA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_194330 unedited  
 NATGGGGATGGCACTTCCAGNCCAGGNAAGCACTGGGGNAGGGTCACAGGGATGCCAC  
 CCGGGATCTGTTCAAGAAAAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTT  
 TTTTTTTTTTTAAGTGTACATCATACATTTATTACCAACAACCTCTCAACTCCAAAA  
 TTGGGCACAGGGATTAATAATAAAATTCATTGCACTACTTAGTAAAGCATTACTAGTAA  
 CTTTCATAAAAAATGTACAACTTTGTTAAAAATTTATCAAGCCTTCAAATGATTTGGTT  
 ACAGATATTTATAATACATACATTTAAAACTATATGTTAACTGATACAATGGAATATGAT  
 TTGAGAAAATGACTCAGCAAATGATTCCAAAAACACCCCTGTGAGCTTTCACAATCTGA  
 AACGGCAAAATGAGGTAACCAAATGTACCAACAGGGGGACAAACAAACAGCTTTCTAATG  
 AAAAGGCCCAAAGATAATCTGTGAAAAATATTCTCACAAGTGAAGTGGTATGATCTCATT  
 AAAATTATTCTAAGAGGCCCAAATTTAAGAATCTTAACAAATCACATTTCAAGATAGTATA  
 TAAATCTAAATATGCTTTACATTTTCCAGATTTTGCTCANAAAATTAAGGACAGAAAA  
 TCCTAATATGAGATCTTGATACCTGGAGGCCTTATTTTTTGGAGGGCTGGGGTTAAAA  
 AAACCGCAAGATGACAATTCATGCCAAAAACAAACAGGAACCCCAAAAACCCCACTG  
 AGTTAAAATGGGAAACCCCAATTTATTTAGAGGGAAAAAGGACCAAGCCAATGAACCC  
 ACATCCGGCCGGCATTCCGGGCCTCCCCAAGGGGGCCATGGGGTGGGCCACATTA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_194330

**Insert Size:**

5000 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\\_194330.1](#), [NP\\_919311.1](#)

**RefSeq Size:** 4999 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 (5) has an alternate 5' terminal exon compared to variant 1. This difference causes 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.