

## Product datasheet for SC107719

### RNF38 (NM\_194328) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF38 (NM_194328) 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:	>OriGene ORF within SC107719 sequence for NM_194328 edited (data generated by NextGen Sequencing)

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ATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCTTCAGTTCGACCAAGCCAACAT
CACTTCTCAGGGGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCCTCCTGTCCAGG
CGCCAGAGAGGAAGAAGGGATCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAAAC
TATCACCATCTCCCTTACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTTCCACCCT
CCGAATGTATCTCCCGTCTGCTACATCCTGCTGCTCATCCACCCAGCAGAATGCAGTC
ATGTTGACATACATGATCAGCTCCATCAAGGAACAGTCCCTGTTTCTTACACAGTAACA
ACAGTGGCACCACATGGGATCCACTCTGCACAGGCCAGCACATCCCTGCTTGTAGTACA
CAGCAGGTCCCAGGATGCTCTGTGGTTTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTG
CCTCCTCCAATGCTTCAGGCATGTTTCAGTTCAGCACTTACCAGTACCATATGCTGCATTC
CCACCCCTTATTTCTAGTGATCCATTTCTTATACATCCTCCTCACCTTTCTCCCATCAT
CCTCCTCATTTGCCACCACCAGGCCAGTTTGTCCCTTTCCAAACACAGCAATCACGATCG
CCTCTGCAAAGGATAGAAAATGAAGTGGAACTCTTAGGAGAACATCTTCCAGTAGGAGGT
TTTACTTACCCTCCATCAGCCCACCCCAACATTACCTCCATCAGCTCCCTTGCAGTTC
TTAACACATGATCCTTTGCATCAGGAGGTGTCCTTTGGAGTACCTTATCCTCCATTTATG
CCTCGGAGGCTTACAGGACGTAGTAGATACCGATCCCAGCAGCCAATACCACCTCCCTT
TATCATCCAGCTTACTGCCATATGTGTATCAATGCTTCCAGTGCCACCTGCAGTGGGC
CCAACCTTTCAGCTTTGAATTAGATGTAGAAGATGGAGAAGTAGAAAATTACGAGGCCCTG
TTAAACCTGGCAGAGCGACTGGGAGAGGCAAAGCCTCGTGGACTGACTAAAGCAGATATT
GAACAACCTCCTTCTTATCGGTTCAATCCTAACAACCACAGTCAGAACAGACTTTGTGT
GTAGTATGCATGTGTGATTTTGTAGTCAAGGCAGCTACTTAGAGTCTTACCCTGTAACCAC
GAGTTCATGCCAAGTGTGTGACAAAATGGCTTAAGGCAAATCGTACTTGCCCAATTTGC
CGAGCTGATGCTTCAGAAGTGCATCGGGATTTCAGAATGA

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Clone variation with respect to NM\_194328.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_194328 unedited ACGAGGCCGAGCGTTAGGCGACTCTGTCATCTCTGGGCGTGCAGCCGTCGTTTCCTGGCC CGGCCCGTGTGATGGTGCCGGGAGGAAGGAAGCGCAGTGACAGTGCCTAAGTTGGAGCCG GGGTTCCGGGGGTGAGGAGGCCCGCGGACGGCGGATCTGGCGAGCTGGCCGCGGGCTGGG CGAGCAGTCACAATAGGAGGCCCGGCCAGCGAGGATCCGCGGGAGCTGCCCGGAGGG CGGAGCCTCCCTCGCAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCTCTCTCAT TCAGTCTTTGATTATACATCAGCATCACCAGCTCCCTCACCACCAATGCGACCATGGGAG ATGACATCAAATAGGCGAGCCCCCTTCAGTTTCGACCAAGCCAACATCACTTCTCAGGGGAA CGATGCAACACACCTGCACGCAACAGAAGAAGTCTCCTGTGAGGCGCCAGAGAGGAAGA AGGGATCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAAATATCACCATCTCCCT TACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTTCCACCCTCCGAATGTATCTCCC CGTCTGTACATCTGTCTCATCCACCCAGCAGAATGCAGTCATGGTTGACATACAT GATCAGCTCCATCAAGGAACAGTCCCTGTTTCTTACACAGTAACAACAGTGGCACCACAT GGGGATTCCACTCTGCACAGGCCAGCACATCCCTGCTTGTAGTACACAGCAGGTCCCAAG ATGCTTTTGNGGGTTTCAGTGGACAGCACCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_194328
<b>Insert Size:</b>	4200 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_194328.1</a></u> , <u><a href="#">NP_919309.1</a></u>
<b>RefSeq Size:</b>	4748 bp
<b>RefSeq ORF:</b>	1299 bp
<b>Locus ID:</b>	152006
<b>UniProt ID:</b>	<u><a href="#">Q9H0F5</a></u>
<b>Cytogenetics:</b>	9p13.2
<b>Protein Families:</b>	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 (2) 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.