

## Product datasheet for **SC307599**

### RNF38 (NM\_194329) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF38 (NM_194329) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307599 representing NM_194329. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTGAAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCTCTCTCATTCACTTTGATTAT
ACATCAGCATCACCAGCTCCCTCACCACCAATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCT
TCAGTTCGACCAAGCCAACATCACTTCTCAGGGGAACGATGCAACACACCTGCACGCAACAGAAGAAGT
CCTCCTGTCAGGCGCCAGAGAGGAAGAAGGGATCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAA
AACTATCACCATCTCCCTTACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTCCACCCTCCGAT
GTATCTCCCGTCTGCTACATCCTGCTGCTCATTCCACCCAGCAGAATGCAGTCATGGTTGACATACAT
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CTCTGCACAGGCCAGCACATCCCTGCTTGTAGTACACAGCAGGTCCCAGGATGCTCTGTGGTTTTAGT
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GTACCATATGCTGCATTCCACCCTTATTTCTAGTATCCATTCTTATACATCCTCCTCACCTTTCT
CCCCATCATCCTCCTCATTTGCCACCACCAGGCCAGTTTGTCCCTTCCAAACACAGCAATCAGCATCG
CCTCTGCAAAGGATAGAAAATGAAGTGAACTCTTAGGAGAACATCTCCAGTAGGAGGTTTTACTTAC
CCTCCATCAGCCACCCCAACATTACCTCCATCAGCTCCCTTGCAGTCTTAAACATGATCCTTTG
CATCAGGAGGTGCCTTTGGAGTACCTTATCCTCATTATGCCTCGGAGGCTTACAGGACGTAGTAGA
TACCGATCCCAGCAGCAATACCACCTCCCTTATCATCCAGCTTACTGCCATATGTGTATCAATG
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GTATGCATGTGTATTTGAGTCAAGGCAGCTACTTAGAGTCTTACCCTGTAAACCAGAGTTCCATGCC
AAGTGTGTGACAAATGGCTTAAGGCAATCGTACTTGCCCAATTTGCCGAGCTGATGCTTCAGAAGTG
CATCGGGATTCAGAATGA
ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>Plasmid Map:</b>	□
<b>ACCN:</b>	NM_194329
<b>Insert Size:</b>	1398 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>OTI Annotation:</b>	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.
<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_194329.2</a></u>
<b>RefSeq Size:</b>	4951 bp
<b>RefSeq ORF:</b>	1398 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
<b>MW:</b>	52.1 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 3), compared to isoform 1.</p>