

## Product datasheet for **SC321722**

### **RNF41 (NM\_194358) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RNF41 (NM_194358) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF41
Synonyms:	FLRF; NRDP1; SBB103
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\_194358.1  
 CCACGCGTCCGCGACGAGTGAGTACTCCTGATTGTGACATCACATTCATCCCCTGGGCGA  
 TGGAGCTTGTCACTGGGAAGGAATACTCAGTCGGAGAATAGCCAACAAGATGGGTACTG  
 GGAGAATCTTTCAGTGGCACTGAGTGGAGGCATCAGGGGTTGGAGCCTTGTGAACAGG  
 GAACCTGCCCCAACACTTGAAGGACCTGGGTTTCAGTGATGAGACATGGGGTATGAT  
 GTAACCCGTTTCCAGGGGATGTTGACGAAGATCTTATCTGCCCTATTTGCAGTGGAGTC  
 TTGGAGGAGCCAGTACAGGCACCTCATTGTGAACATGCTTCTGCAACGCCTGCATCACC  
 CAGTGGTTCTCTCAGCAACAGACATGTCCAGTGGACCGTAGTGTGTGACGGTCGCCCAT  
 CTGCGCCACGTACCTCGGATCATGCGGAACATGTTGTCAAAGCTGCAGATTGCCTGTGAC  
 AACGCTGTGTTCCGGCTGTAGTGCCGTTGTCCGGCTTGACAACTCATGTCTCACCTCAGC  
 GACTGTGAGCACAACCCGAAGCGCCTGTGACCTGTGAACAGGGCTGTGGCCTGGAGATG  
 CCCAAAGATGAGTGCACAACATAACTGCATTAAGCACCTGCGCTCAGTGGTACAGCAG  
 CAGCAGACACGCATCGCAGAGCTGGAGAAGACGTACGTGAACACAAACACCAGCTGGCG  
 GAGCAGAAGCGAGACATCCAGCTGCTAAAGGCATACATGCGTGCAATCCGCAGTGTCAAC  
 CCCAACCTTCAGAACCTGGAGGAGACAATTGAATACAACGAGATCCTAGAGTGGGTGAAC  
 TCCTTACGCCAGCAAGAGTGACCCGCTGGGGAGGGATGATCTCGACTCCTGATGCTGTG  
 CTCCAGGCTGTAATCAAGCGCTCCCTGGTGGAGAGTGGCTGTCCTGCTTCTATTGTCAAC  
 GAGCTGATTGAAAATGCCACGAGCGTAGCTGGCCCCAGGGTCTGGCCACACTAGAGACT  
 AGACAGATGAACCGACGCTACTATGAGAACTACGTGGCCAAGCGCATCCCTGGCAAGCAG  
 GCTGTTGTCGTGATGGCCTGTGAGAACCAGCACATGGGGGATGACATGGTGAAGAGCCA  
 GGCCTTGTGATGATTTGCGCATGGCGTGAAGAGATATAAGAGAACTCGACTGGCTAT  
 CAGGAAGAGATGAAAATCAGAAAATCCCATCACTCCAGCAGCTGGGACCTGAGTCCTACC  
 CACCATTTAACTACTGTGGCTTATACCTGAGCCACACATCTCCCTGCCCTTCTGGCACT  
 GAAGGGCCTTGGGTAGTTTGTCTCAGCCTTTAGGTGGGAAACCCAGATTTCTCCCTTT  
 GCCATATTTCCCTAAAATGTCTATAAATTATCAGTCTGGGTGGGAAAGCCCCACCTCCA  
 TCCATTTTCTGCTTAGGGTCCCTGGTTCAGTTATTTTCAGAAAGCACAAAGAGATTCA  
 ATTTCCCTGGAGGATCAGGACAGAGGAAGGAATCTCTAATCGTCCCTCTCCTCCAAAACC  
 AGGGAATCAGAGCAGTACGGCCTGTTGACTCTAAGCAGCAGACATCCTGAAGAAATGGTA  
 AGGGTGGAGCCAAATCTTAGAAATAAGTAGTGAGGCCGTTAATTGGCCATCACTGATGG  
 CCCTTAGGAAAGACTGGACCTCTGTGCAAGCAGTATCCCTGTTAGCCACCTTAAAG  
 GTGTAGGCACCCACTGGGTCTACCAAGTATGCAGGTTGGGATACTGAAAATTTCCAGATGA  
 GCTCTTCTTCTACAAGTTTTTATAATTAGGGAATGCCAGGGTTTAGGGTAGGGGTTAA  
 TCTGTTGGGGGTTGATGTGTTTAGCAAGAAGCTACTCCTAGCTTTTGCTAAAATATGGTT  
 GGCCTGCTCTGTGGCACAGGCCATAATTGTTCCATAGACCCCTCTAGCCCTGTGA  
 CTGTAGTTAGTTACTTTGATAATTTTCTTTGGCCATTGTTGTTTATATTTACAAAACCTC  
 CACCTACTGCCCCCCCCCTCTTTTTTTAAGAATGGCCTGATCATGGCTATCTCAGCCA  
 CATTGTTGGCAATTTAATTTTACTTCTTTTTTTTTTTAAGAAAGGAAAAAAGAAA  
 AAAAAATCAAACCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_194358

**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.

<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_194358.1</a></u> , <u><a href="#">NP_919339.1</a></u>
<b>RefSeq Size:</b>	3429 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	10193
<b>UniProt ID:</b>	<u><a href="#">Q9H4P4</a></u>
<b>Cytogenetics:</b>	12q13.3
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	<p>This gene encodes an E3 ubiquitin ligase. The encoded protein plays a role in type 1 cytokine receptor signaling by controlling the balance between JAK2-associated cytokine receptor degradation and ectodomain shedding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2) includes an alternate exon in the 5' region and uses a downstream start codon compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>