

## Product datasheet for **SC108828**

### **RNF141 (NM\_016422) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RNF141 (NM_016422) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF141
Synonyms:	RFP141; ZFP26; ZNF230
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_016422 edited
GAATTCGGCACGAGGCAGCGCAGCCGCTGCCGACGGGTGCGCGATGCCTTGAACCTGGGA
AACTATGTGAAGCAACACTCTGGATTTTAAAGACATCTTTTCATCATGGGACAGCAAAT
TTCGGATCAGACACAGTTGGTTATTAACAAGTTACCAGAAAAAGTAGCAAACATGTTAC
GTTGGTTCGAGAGAGTGGCTCCTTAACCTATGAAGAATTTCTCGGGAGAGTAGCTGAGCT
TAATGATGTAACGGCTAAAGTGGCTTCTGGCCAGAAAAACATCTTCTCTTTGAGGTACA
ACCTGGGCTGATTCTCTGCTTTTGGAAAGTGGTTGTACGGGTGGTCTGTACCAAGAT
TAACAAAAGCAGTGGCATTGTGGAGGCATCACGGATCATGAATTTATACCAGTTTATTCA
ACTTTATAAAGATATCACAAGTCAAGCAGCAGGAGTATTGGCACAGAGCTCCACCTCTGA
AGAACCTGATGAAAACCTCATCTCTGTAACATCTTGTACGGCTAGTCTTTGGATGGGAAG
GGTGAAGCAGCTGACCGATGAGGAGGAGTGTGTATCTGTATGGATGGGCGGGCTGACCT
CATCTGCCTTGTCTCACAGCTTTTGTGAGAAGTGTATTGATAAATGGAGTGATCGACA
CAGGAATTGCCCTATTTGTCGCCTACAGATGACTGGAGCAAATGAATCTTGGGTGGTATC
AGATGCACCCACTGAAGATGATATGGCTAACTATATTCTTAACATGGCTGATGAGGCAGG
CCAGCCCCACAGGCCATGACCTTGAAGTAAAAGTCTTCTGTTGCTATTGTGGGCTCAAAT
ATTTGGTCATGGGGGAAGAATGTAGGGTTGTGGCACTGGCACAGACACAGAAAAATCCAT
TTTCCCCACTCTTTATTTTGGCTATTCTGATCATTTGTCGCCCTTTTAAAAATAAACTT
CCCATGTCTTCCATTTGTGGTACTAAAAATTTGCTACTGTTTTAGACCATATTTTCTTATT
ATTTATCTGTTCAAATTTGTATTATTACAATAAGCTCTTGAATTTCTTTGCTAAAGGT
AACAGCAACACTTCCAGAGGCTTCTAAAACACTACTGTTTTGCAGGGCAGGAGTATTCTG
GAATCCTTTTACTTAGATATAAAATAAACCTCGAATATTAAGTTGTAGCCATCTGAG
AGAGGAAAAGTTAAGTACTGAAAATGTAGAATACTTCAACGTGCATGTTACTACTTAAA
ACTAGTCTTTCTGCTGGAATCTAAGGAGTATATATATATATGCCCCCTTGTGGTTAATA
TTGCTCCTTTAATAATTTTACTTGAAGTATCCACAATTTTTCATAACTTTAGCAGTG
TGTTTTGGAACACTGTACTTAAAGTTTGTGTTTGTGTTTTGTCATACTGTATAATTT
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ACTTGAACATCTTTCTGAGATTTTCTGAGTCTCAAATTTCTTAGATTAAGAGACAAGA
GGCCAGTGCAGTGGTTCACACCTGTAATCCAGCACTTTGGGAGGCCGAGGTGGGTGGAT
CATTTGAXXXXXXXXXXXXXXXXXXXXXTTTAAATTAATTAAGTCAAATTTGCAGAA
CCCTGTATCTCCTCCATAGATTCTTAGTATTCCATGGAACATATTTTGAACCTTGGGA
TAGATGATCCACTGAAATCTTTTCCAGCTCTAAGATTTTAAATTTGCTTTTATAGATTAGA
CTTGCTGAGTTTAAATCAGATTACCTAATTTTAAATGTTTCTGAAAAGTGAACAGAGTT
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CCTTATCAAATAAATAAATGAGCACAGCTCTTTGTTGCTCTATTGAAGTGGGTGATAAT
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TGAAGTACTTAAATGACTTACTATGATAGGAAATATAATGTGTAATTTGTTTAAATGGA
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TGAAGTCTAAGGAATTTGTTTTCCCTATCCTAACTCAGTAACAGAGGGTTTACTCCGATT
ATGTATAGAACCTTAGTTTGGAGAAAATGAATTTTACTATGTAAGTGAATTTAGAGGTTGAG
AATAATAGGATCTGTGTTATTCTTAGTACCCACTGATAAATTTGTGCAATAAATAATCTTT
CGCAAGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016422 unedited  
 GGTAAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCAGCGCAGC  
 CGCTGCCGCAGGTGCGCGAGCCTTGAACCTGGAACACTATGTGAAGCAACTCTGGATTT  
 TGAAAGACATCTTTTCATCATGGGACAGCAAATTCGGATCAGACACAGTTGGTTATTA  
 CAAGTTACCAGAAAAAGTAGCAAACATGTTACGTTGGTTCGAGAGAGTGGCTCCTAAC  
 TTATGAAGAAATTTCTCGGAGAGTAGCTGAGCTTAATGATGTAACGGCTAAAGTGGCTTC  
 TGGCCAGGAAAAACATCTTCTCTTTGAGGTACAACCTGGGTCTGATTCCTCTGCTTTTGG  
 GAAAGTGGTTGTACGGGTGGTCTGTACCAAGATTAACAAAAGCAGTGGCATTGTGGAGGC  
 ATCACGGATCATGAATTTATACCAAGTTTATTCACTTTATAAAGATATCAAAAGTCAAGC  
 AGCAGGAGTATTGGCACAGAGCTCCACCTCTGAAGAACCTGATGAAAACCTCATCCTCTGT  
 AACATCTTGTGAGGCTAGTCTTTGGATGGGAAGGGTGAAGCAGCTGACCGATGAGGAGGA  
 GTGTTGTATCTGTATGGATGGGCGGGCTGACCTCATCCTGCCTTGTGCTCACAGCTNTTG  
 TCAGAAGTGTATTGATAAATGGAGTGATCGACACAGGAATTGCCCTATTTGTCGCCTACA  
 GATGACTGGAGCAAATGAATCTTGGGTGGTATCAGATGCACCCACTGAAGATGATATGGC  
 TAACTATATTCTAACATGGCTGATGAGGCAGGCCAGCCCCACAGCCATGACCTTTTGA  
 GTGAAGTCTTCTGTGGCTATTGTGGGCTCAAATATTTGGTCATGGGGGAAGATGTAGGGN  
 TGTTGCACTGGCACAGAACAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016422 unedited  
 AAAAAGTTTGTGTGNACCGCGGCCGCTTTCTANGATCGAGCTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTTTTTCCCTGGCAAAAAATTTATGGCCATTTAATCAGGGG  
 GTCCTAAAATACCCAGACCCTATTATTCTCACCTCTAAATTCAGCCCATAGAAAAATT  
 CATTTTCTCAAAC TAGGGTCTATACATAATCGGAGAAACCCCTTTGTTACTGAGTTAGG  
 ATAGGAAAAACAAATTCCTTAAAGTTCATGAACCACTTCACAAATCCTAAAGGGCCCCC  
 ATTATTTTCCCTATCATAGAAGGCCCTTTAAAGTCCTTCATATTAACAAAAACAAAGCT  
 GTCCAAAATCCAAAGGGGCCCTTTTCATCCTTTAAACAAATTAACCCATTATATCCCT  
 ATCATAGAAGGCCCTTTAAGCCCTTCATATTAACAAAAACAAAGCTGTCCAAAAACA  
 AAAGGGGCCCTTTTCATCCTTTAAACAAATTAACAACCTTTACAATTAGTTTTTACGGTA  
 AAAGTACCTAACTTTCCATTTAAATAATTATCACCCAGTTCAATAAAGCGACCAAAGA  
 GCTGTGCTCATTATTTATTGGATAGGGCTATAACCATTTTATATTCACAGAANATCAGT  
 AGGGGCCTTGGACCTCATATGGAACAAAAAAGGTTTGGCCCTATTGAGCCACTGGCCT  
 TATGGTTAAACACTCCTTGAAGGCGAAAAATTCTGGGGAAAAAATATGGCTTACCTGA  
 AAAGACCCAAACCTGAAAGGCACCTGGTCACTTTTCAAACCTTTTAAATTAGGGACTC  
 GAATTAACCCCGAGGTTAATCTAAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016422

**Insert Size:**

3800 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\\_016422.3](#), [NP\\_057506.2](#)

**RefSeq Size:** 4084 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 50862

**UniProt ID:** [Q8WVD5](#)

**Cytogenetics:** 11p15

**Domains:** RING

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-DNA and protein-protein interactions. Abundant expression of this gene was found in the testicular tissue of fertile men, but was not detected in azoospermic patients. Studies of the mouse counterpart suggest that this gene may function as a testis specific transcription factor during spermatogenesis. [provided by RefSeq, Jul 2008]