

## Product datasheet for **SC110999**

### **RNF4 (NM\_002938) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RNF4 (NM_002938) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF4
Synonyms:	RES4-26; SLX5; SNURF
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:**

>OriGene sequence for NM\_002938 edited  
 GAATTCGGCACGAGGCTTTGCGGGAAAGCAGCGGACTTAAAACTGGAATCTGTCCG  
 GATCCAAATTATTTTGAAGCCAGATGAGTAACCAGAGGGCATGAAAGGTTGAGAACATT  
 TGACTTCCTGCAAACCTTGGTATAGATCACTTCTTTTCTGTAGGAAAGGAAAGGCACC  
 AAAGAGCAATGAGTACAAGAAAGCGTCGTGGTGGAGCAATAAATTCTAGACAAGCTCA  
 GAAGCGAACTCGGAAGCAACCTCCACCCCGAGATCTCCTTGAAGCAGAACCATAGA  
 ACTCGTGGAAACTGAAGCTGGAGATGAAATTGTGGACCTCACTTGTGAATCTTTAGAGCC  
 TGTGGTGGTTGATCTGACTCACAATGACTCTGTTGTGATTGTTGACGAAAAGAAGAAGACC  
 AAGGAGGAATGCTAGGAGGCTGCCCCAGGACCATGCTGACAGCTGTGTGGTGGCAGTGA  
 CGATGAGGAGTTGTCCAGGGACAGAGACGTATATGTGACTACCCATACTCCAGAAAACGC  
 CAGGGATGAGGGCGCTACAGGCCTCAGGCCCTCAGGACTGTGAGTTGTCCCATCTGCAT  
 GGACGGATACTCAGAGATCGTGCAGAATGGACGTCTCATGTTTCCACAGAATGCGGCCA  
 TGTCTTCTGTAGCCAGTGCCTCCGTGATCCCTGAAGAATGCTAATACTTGCCCAACTTG  
 TAGGAAAAAGATCAACCACAAACGGTACCACCCATTTATATATGAAGTATTCAGAGCCC  
 CCCAGGAGAGACGGATGGACAGACAGACAGCCAGGTTCTCCAGTGGTATCTGCCTCCATT  
 TTCTGAGATCAAAAAGACTGTTTCGAAACCAACATCTGATATGTAAACTGCTCTTTTGT  
 TTCCAACCCCTTCTTTTGTATCTCCAGTTTGTGCTATGGCGCTGGACCCAGGGCCCT  
 CCCAGGCCATCTCTGTTCTCTGGGGTGGTCCAGTTCTAGAGTGGGAGAAAGGGAGTCAG  
 GCGCATTGGGAATCGTGGTTCCAGTCTGGTTGCAGAATCTGCACATTTGCCAAGAAATTT  
 TCCCTGTTTGGAAAGTTTGCCCCAGCTTCCCGGGCACACCACCTTTTGTCCCAAGTGTG  
 TGCCGGTCGACCAATCTGCCTGCCACACATTGACCAAGCCAGACCCGGTTCAACCAGCTC  
 GAGGATCCCAGGTTGAAGAGTGGCCCTTGAGGCCCTGGAAAGACCAATCACTGGACTTC  
 TTCCCTTGAGAGTCAGAGGTCACCCGTGATTCTGCCTGCACCTTATCATTGATCTGCAGT  
 GATTTCTGCAAAATCAAGAGAAACTCTGCAGGGCACTCCCTGTTTCTAAGAACGAAAAA  
 GTGCAATAAAGGCCATTGTTACCTACTTTTTCAGCAGCCACAAGATGTAGCACTATTAG  
 TGTCCCCCTCAGAGGCTTAATGTTGCCTGTGGAGCAGTGCCATCCCAGCCCGTTTCTGC  
 CCACCAGTTGTTCTCAGGAACCTTACCCATGCTCCAGCGTCTTTCACCTGGCACAGGACA  
 TGCAAGATAAATAGGGCAGGCACGTGTTGGGTGTCTCTTTTCTGATAAAATCCATC  
 CCGTGTGTTGCCACAGCCCTCCAGTCTCAGTTCCTACTGCCTAACGTCTGCCCCGTGT  
 AGATACTGAGAGGTGGTGGCAGTAATTGTGCCTTATCAGCCGCTCAGTTCAGGCTTTT  
 GCCCAGGTCAGTGTGCCCATGTTCCGAGAACCTGGCCACCTGTCTTGCTTTTCTCAT  
 CCTTCCCAACCCAGTGGCGTTTATTTAGAAAGCTTCTGGCCACTGGGCTTGGATGCTTC  
 GGGCTTCTGACTGCTCCATAGGTTTTGACTGGTGAACAGGGGCCAGATGACAACCTCT  
 CCTTCGCTCCACAGGTACGCGGGAGCCTCAGGTTCTCTCAGGGGCAGAAAGTGGCCAA  
 GCTGCCCTGACAGCACAGGGCCTGGGGTGGCTAACGAGAGAGGCTTACAGTGGCCGC  
 ATGCCTCTCTTCCACTGTCTCTTCTCAGAGGGCCTCACGCCAAACAAACGGCCTTT  
 TCGTGTGAAACATCTTCAAGGGCGGAAAGGGGCCACTTCTGGCTTTGTTAGCAATAACTG  
 ACCTTCAGTTTACCCTTCTGAAGGAGCAGGGACTCAGCACAGAATTCACCTTAGACGGGG  
 CTGAAGGAGTGTCCCTCTATGTGAAAAGAAAATTGTTTTATTCTTCTGACTTTT  
 TTAAGTGTGGCTCACTTCCAGTTAGTTTGAATGAAAATAATAATTTTCTACTTGGAGT  
 TGAAGAGGGCAGAATCCGAGCTCTCATATTGTGATGTGTAGCATGTCTGCCCTCTGAC  
 TGGACATCATTGCCATTAACCTTCTTCTGGGCATCACGGCAGTGTACGATGCCAGACT  
 TGGAGCAAGGCAACCTTGGAGTCAGTCCACTCATAAAATATGGTAACACCCATTTTAAAA  
 TTTAAGTTTTGCTCTAAAGACAACCTCAGTGGTTAATTATAAAAGTTGTGTTACTTCGT  
 CCTAAATTAATGATAGAAAGATTTAAAAATGTGTTTTGTTTCTACTATTCAGAAACTG  
 CGAACTAGGGAAAGGTTGGTATGAAAAAATGCTTTTCTTTTCAATGTACATAGTTCA  
 ACTCTTTCTTTGTACATTTAACTATATCCATGGATATCAGTCTGCTTTGGACTCTCT  
 GCTAGTGTACAGATGGAATAAAACCATTAATTTGAACCAAAAAAAAAAAAAAAAAA  
 CGAC

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_002938 unedited  
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTTGCGGGAAAGCAGCGG  
 ACTTGAAAATACTGGAATCTGTCCGGATCCAAATTTTTTGCAAGCCAGATGAGTAACC  
 AGAGGGCATGAAAGGTTGAGAACATTTGACTTCCCTGCAAACCTTGGTATAGATCACTTC  
 CTTTTCTGTAGGAAAGGAAAGGCACCAAGAGCACAATGAGTACAAGAAAGCGTCGTGGT  
 GGAGCAATAAATCTAGACAAGCTCAGAAGCGAACTCGGGAAGCAACCTCCACCCCGAG  
 ATCTCCTTGGAAGCAGAACCCATAGAAGCTCGTGGAACTGAAGCTGGAGATGAAATTGTG  
 GACCTCATTGTGAATCTTTAGAGCCTGTGGTGGTTGATCTGACTCACAATGACTCTGTT  
 GTGATTGTTGACGAAAGAAGAAGACCAAGGAGGAATGCTAGGAGGCTGCCCCAGGACCAT  
 GCTGACAGCTGTGTGGTGTGAGCAGTGACGATGAGGAGTTGTCCAGGGACAGAGACGTATAT  
 GTGACTACCCATACTCCAGAAACGCCAGGGATGAGGGCGCTACAGGCCTCAGGCCCTCA  
 GGTACTGTCAGTTGTCCCATCTGCATGGACGGATACTCAGAGATCGTGCAGAATGGACGT  
 CTCATCGTTTTCCACAGAATGCGGCCATGTCTTCTGTAGCCAGTGCCTCCGTGATTCCCTG  
 AAGATGCTAATACTTGCCCAACTTGTANGAAAAGATCAACCACAAACGTACCACCCCTTT  
 ATATATGAAGTATTCAGAGCCCCCAGNAAGACGGATGGACAGACGACAGCCAGGNTCTC  
 CAGTGGTATCTGCCTCCATTTTCTGAGATCAAAGACTGTTTTCGAACACATCTGATA  
 TGTAAGTCTCTTTTGTCCAACCTTNTCTTTGTATN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_002938 unedited  
 GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTCAAATTAATGGTTTTTATT  
 TCCATCTGTAACACTAGCAGAGGAGTCCAAAGCAGACTGATATCCATGGATATAGTTTAA  
 ATGTAACAAAGAAAGAGTTGAACTATGTACATTGAAAAAGGAAAGACATTTTTTTCATAC  
 CAACCTTTCCCTAGTTCGCAGTTTCTGAATAGTAGAAACAAAACACATTTTTAAATCTTT  
 CTATCAATTTAATTTAGGACGAAGTAACACAACCTTTTATAATTAACCACTGAAGTTGTCT  
 TTAAGGACAAAACCTAAATTTTAAAAATGGGTGTTACCATATTTTATGAGTGGACTGACTC  
 CAAGGTTGCCCTTCTCAAGTCTGGGCATCGTGACACTGCCGTGATGCCCAGAAGAAAGT  
 TAATGGCAATGATGTCCAGTCAGAGGGCAGACATGCTACACATCACAATGATGAGAGCTG  
 CGGATTCTGCCCTCTTCAACTCCAAGTAGAAAAATTATTATTTTCATTCAAACCTAACTGGA  
 AGTGAGCCAAACAGTTAAAAAGTCAGAAATGAAGAATAAAACAATTTTCTTTTTCATAGTA  
 GGAGGGACACTCCTTCAGCCCCGTCTAAAGTGAATTCTGTGCTGAGTCCCTGCTCCTTCA  
 GAGGGTAAACTGAAGTCAAGTTATTGCTAACAAAGCCAGAAGTGGCCCTTTCCCGCCCT  
 GAAGATGTTTTACACGAAAAGGCCGTTTTGTTGGCGTGAGGCCCTCTGAGAAGGACGAC  
 AGTGGAAGAAGAGGCATGCCCGCACTGTAAGGCCTCTCTCGNTAGCCACCCNCAGGCC  
 TGTGCTGTCAAGGGGCACTTGGGGCACTTTGCTGCCCTGAAAGACCTGAGCTCCCGTA  
 CTGTGGACGAAGAAAGGTTGCATTTGGGCCCTGTTACCGTCAAACCTTTGAGCAGCAGA  
 GCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_002938

**Insert Size:**

2740 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\\_002938.2](#), [NP\\_002929.1](#)

**RefSeq Size:** 2985 bp

**RefSeq ORF:** 573 bp

**Locus ID:** 6047

**UniProt ID:** [P78317](#)

**Cytogenetics:** 4p16.3

**Domains:** RING

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene contains a RING finger motif and acts as a transcription regulator. This protein has been shown to interact with, and inhibit the activity of, TRPS1, a transcription suppressor of GATA-mediated transcription. Transcription repressor ZNF278/PATZ is found to interact with this protein, and thus reduce the enhancement of androgen receptor-dependent transcription mediated by this protein. Studies of the mouse and rat counterparts suggested a role of this protein in spermatogenesis. A pseudogene of this gene is found on chromosome 1.[provided by RefSeq, Jul 2010]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (2).