

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>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_002938 edited
 GAATTCGGCACGAGGCTTTGCGGGAAAGCAGCGGACTTAAAACTGGAATCTGTCCG
 GATCCAAATTATTTTGAAGCCAGATGAGTAACCAGAGGGCATGAAAGGTTGAGAACATT
 TGACTTCCTGCAAACCTTGGTATAGATCACTTCTTTTCTGTAGGAAAGGAAAGGCACC
 AAAGAGCACAATGAGTACAAGAAAGCGTCGTGGTGGAGCAATAAATTCTAGACAAGCTCA
 GAAGCGAACTCGGAAGCAACCTCCACCCCGAGATCTCCTTGAAGCAGAACCATAGA
 ACTCGTGGAAACTGAAGCTGGAGATGAAATTGTGGACCTCACTTGTGAATCTTTAGAGCC
 TGTGGTGGTTGATCTGACTCACAATGACTCTGTTGTGATTGTTGACGAAAAGAAGAAGACC
 AAGGAGGAATGCTAGGAGGCTGCCCCAGGACCATGCTGACAGCTGTGTGGTGGCAGTGA
 CGATGAGGAGTTGTCCAGGGACAGAGACGTATATGTGACTACCCATACTCCAGAAAACGC
 CAGGGATGAGGGCGCTACAGGCCCTCAGGCCCTCAGGACTGTGAGTTGTCCCATCTGCAT
 GGACGGATACTCAGAGATCGTGCAGAATGGACGTCTCATGTTTCCACAGAATGCGGCCA
 TGTCTTCTGTAGCCAGTGCCTCCGTGATCCCTGAAGAATGCTAATACTTGCCCAACTTG
 TAGGAAAAAGATCAACCACAAACGGTACCACCCATTTATATATGAAGTATTCAGAGCCC
 CCCAGGAGAGACGGATGGACAGACAGACAGCCAGGTTCTCCAGTGGTATCTGCCTCCATT
 TTCTGAGATCAAAAAGACTGTTTCGAAACCAACATCTGATATGTAACCTGCTCTTTTGT
 TTCCAACCCCTTCTTTTGTATCTCCAGTTTGTGCTATGGCGCTGGACCCAGGGCCCT
 CCCAGGCCATCTCTGTTCTCTGGGGTGGTCCAGTTCTAGAGTGGGAGAAAGGGAGTCAG
 GCGCATTGGGAATCGTGGTTCCAGTCTGGTTGCAGAATCTGCACATTTGCCAAGAAATTT
 TCCCTGTTTGGAAAGTTTGCCTCAGCTTCCCGGGCACACCACCTTTTGTCCCAAGTGTG
 TGCCGGTCGACCAATCTGCCTGCCACACATTGACCAAGCCAGACCCGGTTCAACCAGCTC
 GAGGATCCAGGTTGAAGAGTGGCCCTTGAGGCCCTGGAAGACCAATCACTGGACTTC
 TTCCCTTGAGAGTCAGAGGTCACCCGTGATTCTGCCTGCACCTTATCATTGATCTGCAGT
 GATTTCTGCAAAATCAAGAGAAACTCTGCAGGGCACTCCCTGTTTCTAAGAACGAAAAA
 GTGCAATAAAGGCCATTGTTACCTACTTTTTCAGCAGCCCAAGATGTAGCACTATTAG
 TGTCCCCCTCAGAGGCTTAATGTTGCCTGTGGAGCAGTGCCATCCAGCCCGTTTCTGC
 CCACCAGTTGTTCTCAGGAACCTTACCCATGCTCCAGCGTCTTTCACCTGGCACAGGACA
 TGCAAGATAAATAGGGCAGGCACGTGTTGGGTGCTCTCTTTTCTGATAAAATCCATC
 CCGTGTGTGCCACAGCCCTCCAGTCTCAGTTCCTCAGTTCCTAACGTCTGCCCCGTGT
 AGATACTGAGAGGTGGTGGCAGTAATTGTGGCCTTATCAGCCGCTCAGTTCAGGCTTTT
 GCCCAGGTCAGTGTGCCCATGTTCCGAGAACCTGGCCACCTGTCTTGCTTTTCTCAT
 CCTTCCCAACCCAGTGGCGTTTATTTAGAAAGCTTCTGGCCACTGGGCTTGGATGCTTC
 GGGCTTCTGACTGCTCCATAGGTTTTGACTGGTGAACAGGGGCCAGATGACAACCTCT
 CCTTCGCTCCACAGGTACGCGGGAGCCTCAGGTTCTCTCAGGGGAGCAAGTGGCCAA
 GCTGCCCTGACAGCACAGGGCCTGGGGTGGTAACGAGAGAGGCTTACAGTGGCCGC
 ATGCCTCTCTTCCACTGTGCTCTTCTCAGAGGGCCTCACGCCAAACAAACGGCCTTT
 TCGTGTGAAACATCTTCAAGGGCGGAAAGGGGCCACTTCTGGCTTTGTTAGCAATAACTG
 ACCTTCAGTTTACCCTTCTGAAGGAGCAGGACTCAGCACAGAATTCACCTTAGACGGGG
 CTGAAGGAGTGTCCCTCCTATGTGAAAAGAAAATTGTTTTATTCTTCTGACTTTT
 TTAAGTGTGGCTCACTTCCAGTTAGTTTGAATGAAAATAATAATTTTCTACTTGGAGT
 TGAAGAGGGCAGAATCCGAGCTCTCATATTGTGATGTGTAGCATGTCTGCCCTCTGAC
 TGGACATCATTGCCATTAACCTTCTTCTGGGCATCACGGCAGTGTACGATGCCAGACT
 TGGAGCAAGGCAACCTTGGAGTCCAGTCCACTCATAAAATATGGTAACACCCATTTAAAA
 TTTAAGTTTTGCTCTAAAGACAACCTCAGTGGTTAATTATAAAAGTTGTGTTACTTCGT
 CCTAAATTAATGATAGAAAGATTTAAAAATGTGTTTTGTTTCTACTATTCAGAAACTG
 CGAACTAGGGAAGGTTGGTATGAAAAATGTCTTTCTTTTCAATGTACATAGTTCA
 ACTCTTTCTTTGTACATTTAACTATATCCATGGATATCAGTCTGCTTTGGACTCCTCT
 GCTAGTGTACAGATGGAATAAAACCATTAATTTGAACCAAAAAAAAAAAAAAAAAA
 CGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002938 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTTGCGGGAAAGCAGCGG
 ACTTGAAAATACTGGAATCTGTCCGGATCCAAATTTTTTGCAAGCCAGATGAGTAACC
 AGAGGGCATGAAAGGTTGAGAACATTTGACTTCCCTGCAAACCTTGGTATAGATCACTTC
 CTTTTCTGTAGGAAAGGAAAGGCACCAAAGAGCACAATGAGTACAAGAAAGCGTCGTGGT
 GGAGCAATAAATCTAGACAAGCTCAGAAGCGAACTCGGGAAGCAACCTCCACCCCGAG
 ATCTCCTTGGAAGCAGAACCATAGAAGCTCGTGGAACTGAAGCTGGAGATGAAATTGTG
 GACCTCATTGTGAATCTTTAGAGCCTGTGGTGGTTGATCTGACTCACAATGACTCTGTT
 GTGATTGTTGACGAAAGAAGAAGACCAAGGAGGAATGCTAGGAGGCTGCCCCAGGACCAT
 GCTGACAGCTGTGTGGTGTGAGCAGTGACGATGAGGAGTTGTCCAGGGACAGAGACGTATAT
 GTGACTACCCATACTCCAGAAACGCCAGGGATGAGGGCGCTACAGGCCTCAGGCCCTCA
 GGTACTGTCAGTTGTCCCATCTGCATGGACGGATACTCAGAGATCGTGCAGAATGGACGT
 CTCATCGTTTCCACAGAATGCGGCCATGTCTTCTGTAGCCAGTGCCTCCGTGATTCCCTG
 AAGATGCTAATACTTGCCCAACTTGTANGAAAAGATCAACCACAAACGTACCACCCCTTT
 ATATATGAAGTATTCAGAGCCCCCAGNAAGACGGATGGACAGACGACAGCCAGGNTCTC
 CAGTGGTATCTGCCTCCATTTTCTGAGATCAAAGACTGTTTTCGAACACATCTGATA
 TGTAACTGCTCTTTTGTCCAACCTTNTTTGTATN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002938 unedited
 GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTGGTTCAAATTAATGGTTTTATT
 TCCATCTGTAACACTAGCAGAGGAGTCCAAAGCAGACTGATATCCATGGATATAGTTTAA
 ATGTAACAAAGAAAGAGTTGAACTATGTACATTGAAAAAGGAAAGACATTTTTTTCATAC
 CAACCTTCCCTAGTTCGCAGTTTCTGAATAGTAGAAACAAAACACATTTTTAAATCTTT
 CTATCAATTTAATTTAGGACGAAGTAACACAACCTTTTATAATTAACCACTGAAGTTGTCT
 TTAAGGACAAAACCTAAATTTTAAAAATGGGTGTTACCATATTTTATGAGTGGACTGACTC
 CAAGGTTGCCCTTCTCCAAGTCTGGGCATCGTGACACTGCCGTGATGCCCAGAAGAAAGT
 TAATGGCAATGATGTCCAGTCAGAGGGCAGACATGCTACACATCACAATGATGAGAGCTG
 CGGATTCTGCCCTCTTCAACTCCAAGTAGAAAAATTATTATTTTTCATTCAAACCTAACTGGA
 AGTGAGCCAAACAGTTAAAAAGTCAGAAATGAAGAATAAAAAAATTTTCTTTTTCATAGTA
 GGAGGGACACTCCTTCAGCCCCGTCTAAAGTGAATTCGTGCTGAGTCCCTGCTCCTTCA
 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:	<ol style="list-style-type: none">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:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (2).</p>