

## Product datasheet for **SC123372**

### ZNRF4 (NM\_181710) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZNRF4 (NM\_181710) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ZNRF4  
**Synonyms:** RNF204; SPERIZIN; spzn; Ssrzf1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_181710 edited  
 ATCGGCCAGAAAGGCCACCTGCGCCAGCACCTCCTGAGACCGCCTTCAAAGACACGACG  
 CATGCCGCTCTGCCGTCGGGAGCACTTAATGCCTAGAGCCAGCAGGGTCCCAGTGGCCGC  
 GTCAGTGCCTCTGAGCCACGCGGTCACTCAACTCAACTGCCCTCGCGTTCTGGCCACAG  
 GCCCCTGGGAGACCCCGGAGATGCCAAAGGCCTCATGCCTGCCGCTCCAGTGGGACC  
 TAGCAGCACACAGACAGCGAAGCGGGTGACCATGGGGTGCCACGGCCGGGCCAAGCCCT  
 CGTGGCAGTCAAAGCCTTGCTGGTCTTGTGCTGCTCCAGGTGCCCGCGCAGGCGGTGGT  
 ACGGGCCGTGCTGGAAGACAACCTCGAGCTCGGTGGACTTTGCGGATCTGCCGGCGTGT  
 CGGCGTCCCCCTGGCCCCGAGGGCATAACGGGGTACCTGATGGAGGTCAAGCCAGCCAA  
 CGCGTGCCATCCCATCGAGGCCCGCGACTGGGCAACCGCTCTCTGGGCTCCATCGCGCT  
 GATCCGCCACTACGACTGCACCTTCGACCTCAAGGTGCTGAACGCCAGCGCGCCGGCTT  
 CGAGGCGGCCATCGTGACAACGTCCACTCCGACGACCTCGTGAGCATGACCCACGTCTA  
 CGAGGACTTGAGGGGCCAGATCGCCATCCCCTCAGTGTTCTGAGCGAGGCCGCCTCGCA  
 GGACCTGCGGGTATCCTGGGCTGCAACAAGTCGGCCACGCGCTGCTCCTGCCCGACGA  
 CCCACCGTGCCACGACCTGGGCTGTACCCCGTGTGACCGTGTCTGGGTGCTGGGCTG  
 TACCCTGGCCCTGGTCTATCAGCCTTCTTTGCTCCTGAACCACCTGTGGCTCTGGGCCA  
 GGCTGCTGCAGCCACAGACGGCCGGTGAAGACGTCTACCTGCCAGAAGGCCAGGTCCG  
 CACCTTACGTGGCACAACGACCTGTGTGCCATCTGCCTGGATGAGTACGAGGAGGGCGA  
 CCAACTCAAGATCCTGCCCTGCTCCCACACCTACCACTGCAAATGCATTGACCCCTGGT  
 CTCCCAAGCCCCCGGCGCTCCTGCCCGTGTGCAAACAGTCTGGTGGCCGCCACAGAAGA  
 CAGCTTTGACTCCACCACCTACAGCTTCAGGGACGAGGACCCCTCCCTACCGGGCCACCG  
 GCCCCCATCTGGGCCATTCAAGTCCAGCTACGCTCCCGGAGGCTGGAGCTGCTGGGCCG  
 CGCCAGTCCCCACTGCCACTGCAGCACCACGTCCCTGGAGGCAGAGTATACCACTGTCTC  
 CTCAGCCCCTCCTGAGGCCCTGGTCAGTAAAGATCTAGGGCAGGGAGGGGGTGAATG  
 AGGAATGTTTCTGGTCTGAAAAGAATAAAGTGGGTTTGAAAGCGGAAAAAAAAAAAAAA  
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| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_181710 unedited<br>NAGGGNCGGCCGCTAACTTCGTATAGCATACATTATACGAAGTTATGGATCAGGCCAAA<br>TCCGCCGAGCTCGAATTCGTGCGAGCGGATCGGCCAGAAAGGCCACCTGCGCCAGCACC<br>TCCTGAGACCGGCCTTCAAAGACACGACGCATGCCGCTCTGCCGTCCGGAGCACTTAATG<br>CCTAGAGCCAGCAGGGTCCCAGTGGCCGCGTCACTGGCTCTGAGCCACTCGGTCAANTCCA<br>ACTCAACTGCCCTCGCGTTCGGCCACAGGCCCTGGGAGACCCGGAGATGCCCAAAG<br>GCCTCATGCCTGCCGCTCCAGTGGGACCTAGCAGCACACAGACAGCGAAGCGGGTGACC<br>ATGGGGTGGCCACGGCCGGCCAAGCCCTCGTGGCAGTCAAAGCCTTGCTGGTCTTGTCG<br>CTGCTCCAGGTGCCCGCGCAGGCGGTGGTACGGGCGGTGCTGGAAGACAACCTCGAGCTCG<br>GTGGACTTTGCGGATCTGCCGGCGCTGTTGCGCGTCCCCCTGGCCCCGAGGGCATAACGG<br>GGCTACCTGATGGAGGTCAAGCCAGCCAACGCGTGCCATCCCATCGAGGCCCGCGACTG<br>GGCAACCCTCTCTGGGCTCCATCGCGCTGATCCGCCACTACGACTGCACCTTCGACCTC<br>AAGGTGCTGAACGCCAGCGCGCGGCTTCGAGGGGCCATCGTGACAACGTCCACTCC<br>GACGACCTCGTGAGCATGACCCACGTCTACCAGGACTTGAGGGGCCAGATCGCCATCCCC<br>TCAGTGTTCGTGAGCGAGGCCGCTCGCAGGACCTGNCGGTCATCCTGGGCTGCAACAAA<br>GTCGC |
| <b>Restriction Sites:</b>           | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ACCN:</b>                        | NM_181710                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Insert Size:</b>                 | 1446 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>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>                      | <a href="#">NM_181710.2</a> , <a href="#">NP_859061.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>                 | 1441 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq ORF:</b>                  | 1290 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>                    | 148066                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>                  | <a href="#">Q8WWF5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cytogenetics:</b>                | 19p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Families:</b>            | Druggable Genome, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Gene Summary:**

E3 ubiquitin-protein ligase which specifically induces ubiquitination and proteasomal degradation of CANX within the endoplasmic reticulum (PubMed:21205830). Could have a role in spermatogenesis (By similarity).[UniProtKB/Swiss-Prot Function]