

## Product datasheet for **SC100910**

### ZNRF2 (NM\_147128) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNRF2 (NM_147128) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNRF2
Synonyms:	RNF202
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_147128, the custom clone sequence may differ by one or more nucleotides

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ATGGGCGCCAAACAGAGCGGCCCGCCGCGCTAACGGCCGACGCGCGGTACTCGGGCTCGGATCTAC
CTTCCAGTAGCAGCGGAGGCGCCAATGGGACCGGGCGGCGGGGGCGCTCGGGCCGCCCGCGGG
GAGGTTCCCGGCTCAGGTGCCAGCGCGCACCAGCCAGCGCCTCCGGCGGCGCCGCGGGCCCGGGG
GCCCCGGCAGCCCCGGCGGCCCGCGCAGCCGCTCCCTCGGCGGGGCCGTGGGGAGCGTGGCGTCGGGG
CCCGCGCGGCGCAGTCCCCCTTACGATCCCGAACAGCAGCAGCGGCCCGTACGGCTCGCAGGACTCGGT
GCACAGCAGCCCTGAGGACGGCGGCGGGCGGGACCGGCCGTTGGGCGGGAGCCCCGGCGGGCCCGCG
CTGGTGATCGGCTCCTTACCAGCTCACCTCTCGCCGCACATGTTTGGAGATTTAAGTGCCTGTATGCT
CAAAATTTGTATCCTCAGATGAAATGGATTTGCATCTTGTAAATGTGTTTAACAAAGCCACGAATAACCTA
TAATGAGGATGTACTGAGTAAAGATGCTGGGGAATGTGCAATATGCCTTGAAGAATTGCAGCAGGGAGAT
ACTATAGCAGGACTGCCTTGTCTATGCATATATCATAAAGGCTGCATAGATGAATGGTTTGAAGTAAATA
GATCTTGCCCTGAGCACCTTCAGATTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_147128 unedited  CATTATGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGCCGTCG  TGGCGCACAGAACCGAAACCAGCGGCAGCCGACGGCCACTTGAGCCGCCCTTCTCTGC  TGGAGCCAGCGAGGGGTGCCTGCAGCCGGGACCCCTTCTCTCCGCGTCTCTCGTCTCC  CGCGCCCGCGTCAGGCCGTGGCCTCGCCCTCTCCCAAGAAGAGCGCGCCGGGCGCCG  ACTGCCCTCTGGACGCCGGGCGGCCCTGGACGTGCGGGGGCCTCTCTGGGCCGGCC  GCGGCGCCTGGGCCCTGCCCTCTAGCTCCCGCGCTCGTCCCGCCCTCCCGGCTCTCGGG  GCGCAGCGCGCGGCCCGGCCGGGCGAGGGCGGACATGGGCGCCAACAGAGCGGCCCG  GCCGCCGCTAACGGCCGACGCGCGCTACTCGGGCTCGGATCTACCTTCCAGTAGCAGC  GGAGGCGCAATGGGACCGGGCGGGCGGCGGTGGCGCTCGGGCCGCGCCGCGGTGAGG  TTCCCGGCTCAGGTGCCAGCGCGCACCAGCCAGCGCTCCGGCGGCGCCGCGGCGGCC  GCGGCGGTCCCTGCAGCCCGGCGGTCCCGCGCAGCCGCTCCCTTGGCGGGGCCGTTGT  GAGCGTGGCGCTCGGGCCCGCGCGGCGCAATCCCCTTAGCATCCCGAACACATCAGCG  GCCCGTCCGCTCGCAGGACTCCGTGCACAGCAGCCCTGATGCAGCCGCGGCTGCCCGGA  CCGCCCGTGGGCGGAGCCCGCGGCCCCCTGAGATCGGTTCTTCCAATTAACCTTTT  CCGACAATGTTGAGAATAATGGCCGTTGCTAAAATTGTTCCCCATGAAAGGATTGCA  TCGGGATGGTTACAAGGCCATAACTTTAGAGGTGCCCGATAAAGCCTGGGAAGCCAT  TGCTGAAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_147128 unedited  ATGGACCGCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTATTATGTAACATA  ACCTTTTTAATGTTGTTTTGCTAACACAAAAAGTTATACCATTATTTATTTCAATC  ACAACATTGCTCTAAAACACAATCTATAATCCGTCTTGAACCAGATCTGAAAAACACAT  ATTCAGACTATTCTTAGTTGTATCTCTGGCAAAAAGCCAAAGTAAAACGGAATAATTTT  ACTTTCTCCTAAACATTCTGGCAAGGGGGGAAAAAAAAGCCAGATCAAAGTAAGATGAG  GATTCAAATTTGCAATAAATCCATTATGGACAAAACAGTGGCACTAAAGTGAAATTTAG  AACATATTGCTTTCTATATATGCACGTGTGATCTTATTGAACTGAGTATTTACAAAGA  TTCTAGAAAAGCTAAAACCAACTTGGTAACCTAGGCTTTCAATCTTTATTGTGCCCCAT  AATAATTAGTTGTCAGAAGTTTCAGCTTAGTATTTAAATATCTATTGTGATTTTATCT  TACTTATACTATTCAAGTGTTCGAAAAATAGATTTACGAATATTTAAGTGACATTATATA  GAACATTACTTGTATTTTCCAGAATAACGACTTTGACTTTGAATAAAAACTGGAGCATTT  GGGCTTTAAAAACATTTTTCCCCCAATTTCTAAGTTGCTTTTTAGGAAGTCACTGATA  GAGATGGAATTTAAAGTAAAAATGCCAATTTGTAATTTTGTCAAAAAAGGATTGCTAT  AAACAGACTTAAGTGAATACTGGTCCCAGACAATATATCATCAAGTAGCACTTGACACTN  GACAACACTGAACCTTTTAAACCATAGAGCTCTATTGTACAATGCGCACAGAACCTTG  ACAAGAGGGCTANAAGTGATTNAGCCATTAGGTAAGAAGACAGTGACTATTAATGCGCAA  GTATACAGTTTGCAGACTTGACATACCT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_147128
<b>Insert Size:</b>	4100 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_147128.3</a> , <a href="#">NP_667339.1</a>
<b>RefSeq Size:</b>	3485 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	223082
<b>UniProt ID:</b>	<a href="#">Q8NHG8</a>
<b>Cytogenetics:</b>	7p14.3
<b>Domains:</b>	RING
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	May play a role in the establishment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.[UniProtKB/Swiss-Prot Function]