

Product datasheet for **SC102183**

ZNRF1 (AK094870) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNRF1 (AK094870) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNRF1
Synonyms:	NIN283
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for AK094870, the custom clone sequence may differ by one or more nucleotides

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AAAGACGCGGGTGTGTGTGATCTGCCTGGAGGAGCTGCTGCAGGGGACACGATAGCCAGGCTGCCCT
GCCTGTGCATCTATCACAAAAGGTAGGAGGGGTGGCAAGGTAGCTTAGTGCACCCACCTCCCAGAGGG
GCGGACCCCATCTCCAGCCATTCTGTCTCCTTTGGTTATGGGATGACCTCTCCCCGACCTCTGGCTCC
GAGCGGGTAAGGGCAGAGGCCGTACAGACAGGTGTCCACTGTGCCGCGGGAAGGTGCGAGCATCCCAAGT
GCAGAGCAGAGTGGAGTTGCCAGAGGTGTCTCTGGTTTGGGGCTCAGGTGGTGGGAGCTGATGGGGAG
ACCCGTAGAGCCTCACAGTTGGAGGAGCTTCGGATCCCACTGGGAAGGTTGGTTCTCCGTCTGTCTCCC
TGCCTCTTCTTCTACGGGTCCCTCTGCTCCACAGGGGTAGAACATCAATCTGTGCGAGGAAGGCCAG
GCAGAGGGTGTACCCACTGCCTTGCACTGGCCTTCTCCCTAGAGGGCCGGGAGGCAGGAAGGCCATTTT
CTGTGGGGCCACAGCACTGGGCACAGTTAAAAGTAGCAGGGCCAGATATGCCTTGGGACTCCAGTGTGA
GCCTCGTCTTGTTCAGCTGGAAGGAAGGCACCCTCTTGCCCAAGACAGGACACTGTGCTGCCTGGGG
CCAGCACTGCTGAATCCTCGAGCCAGAGCTTCTTCTGACACTCAGGCCTTTCAAAGCCTGACTCTCA
GGGCCACTGCTGCACAGGGTGACAACCGGGCATGGCACGCAAGTGGCTGGTGCAGAGGAGGCTTAAGGC
TGGCCTGGGAGAGATTCTTGGTCTAGCTCCCAGCACGGAGCCTTGCTTGTGTCCAGGGCGGCACTAACC
AGAACCAGAAAAGGAAATCTTTGGCCCTCGGGGAGAATTATGCCAATTATCTGTCTGGTTCTGTCTTTG
AAAATGCCAGATGTTGGTTTACAAATCAGGAAGCTGTCTTGGGGCAATCTCTGTTCCCTCTTTGATGCA
GAGAGCCTTTCTCTGTAACACTGGAGAGCAGGGCTTCACTGTCTGGCTCCCCTCCCGCCTTTCAGGA
AGGACTAGATGCTGCTGATCAGCTGATCATGGCTGAGCCGGTAGAGCTTGGGGCTCTCCTAAGAGGTCA
CCCCTGGGAGGGAGCTTACAGCTGTTCTTTGACCCAGGAAGGAGCTTTTTCAGGACTGTGCCACCCA
GAGCCGTGGCCCTCCTGCCATGCCATTGTTCCCACTTCCCTGCCCTTGGGAGCTTTGGAGACAGCTGACT
AGCTGCCCTGAGGGGTCCACCGCTCTCACCTTCTCACTGGTGGCTGCTGCCATTCTCCTGGGCTCTGCAC
AGAAAGCTTTGGTCTTCTGAAAGCCACTCTGCCCTTCTGCGACACCAGATCCCCTGAGCCGGTACT
GCTGCCTCCACCTGGGCAAGACTAGTCTTGGTGTTCACCCTTCTTCGTGCTTCAAAAAGTAGGGATATC
TGGGGACATGACTGTGTTCCCTGGGGTCTTTTCAAGAGACTTAGGAAGCTCCTGCTCAGGAATCTGG
CCCTCTGAAAGAGCCCTTCAAAGCAGCCTGGGCAGCAGGTAACGTGGTTTCCCTTGCGGCCCCCTCCTC
CCAGCTGCATAGACTCGTGGTTTGAAGTGAACAGATCTTGTCCGGAACACCCTGCGGACTGACCTGCGGG
CTTGTGCTGACTCCTCTCAAAGGGACAGAGCGCCCTGCTCCAGGGAGGAGGCTCACCGGACCCTGGG
GCAGAGCTGAGCTTGGGACACCAGCGGGAACAGGGCACCCCTTCTGCACTGACTTCCAGATCATGGTTCT
CCCTTCTCCCTGAGGACACCAATTGGATGAGAGCAAGTTTGGAGAAGAATGAATCAACTGCTATCCT
TCCCCTCACCCCTCAGCCAGGAGGAAAGGGCATTCTTTTTCATCTTTGAAAGGCATTGTGGGTCTG
TCTTTAAAGTGTATAC
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK094870 unedited
 GTCAAATATAGNATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTCTGGCTCC
 CCTCCCGCCTCTTGCAGGAAGGACTAGATGCTGCTGATCAGCTGATCATGGCTGAGCCGG
 GTAGAGCTTGGGGCTCTCCTAAGAGGTACCCACTGGGAGGGAGCTTACAGCTGTTCTT
 TTGACCCAGGAAGGAGCTCTTTCAGGACTGTGGCACCCAGAGCCGTGGCCCTCTGCCAT
 GCCATTGTTCCCACTTCCCTGCCCTTGGGAGTCTTGGAGACAGCTGACTAGCTGCCCTGA
 GGGGTCCACCCGCTCACCTTCTCACTGGTGGCTGCCATTCTCTGGGCTCTGCACA
 GAAAGCTTTGGTCTTCTGAAAGCCACTTGCCCTTCTGACGACCCAGATCCCCCTGA
 GCCGCTACTGCTGCCCTCACCTGNGCCAAGACTAGTCTTGGTGTTCACCTTCTTCGTGC
 TTCAGAAAGTANGGATATCTGGGACATGACTGTGTTCCCTGGGGTCTTTTCAAGAG
 ACTTANGAAGCTCCTGCTCANGAATCTGGCCCTCTGAAAGAGCCCTTCAAAGCAGCCTGN
 GCAGCANGTAACGTGGTTTCCCTTGCGGCCCCCTCTCCAGCTGCATAGACTCGTGGTT
 TGAAGTGAACAGATATTGTGCGCAGCACACTCCTCCTGACTGAACTGCCGGCTTGCCTTG
 CTGACTCCTCTCAAAGGGACAGAAGCCCTGCCTCACGGAAGAGGCTCACCGAACCTG
 GGGCAAAGCTGAGCTTGGACACCACCCGGGACAGGGCACCCCTTCTGCACTGACTCCAN
 ATCATGGTCTCCCTTCTTCTTGAAGACCAATGNTTGANACCAGTTTCTTGNAGAG
 ATGNATCAACTGTTATCTTTCCTCCACCCTTANCCAGGAGGGAAAGGCCATTTCTTTTAA
 TCTTTGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for AK094870 unedited
 GAAATCCAGGTACCGTGCCGAATCGAGATTTAGTTAAAATCTTTTTTTTTTGTAAAC
 ACTTTAAATACAGACCCACAATGCCTTTCAAAGATTAAGAAATGCCCTTTCCCTCC
 TGGGCTGAGGGGTGAGGGGAAGGATAGCAGTTGATTCATTCTTCTCTCAAACCTGCTCTC
 ATCCAATTTGGTGTCTCAGGGAGGAAGGAGAACCATTANCTGGTATTCACTGCATAAG
 GGGTGCCTGTTCCCGCTGGTGTCCCAAGCTCAGCTCTGCCCCAGGGTCCGGTGAGCCTC
 CTCCCTGGAGCAGGGGCGCTCTGTCCCTTTGAGAGGAGTCAGCAAGCAAGCCCGCAGGTC
 AGTCCGCAGGGTGTCCGGACAAGATCTGTTCACTTCAAACCACGAGTCTATGCAGCTGG
 GAGGAGGGGGCCGAAGGAAACCACGTTACCTGCTGCCANGATGCTTTGAAGGGGCTC
 TTTGAGAGGGCCAGATTCCTGAGCAGGAGCTTCTAAGTCTCTTCTGAAAGGACCCAGG
 GAAACACAGTCATGTCCCAGATATCCCTATTTTCTGAAGCAGCAAGAAGGGTGAACACC
 CAGACTAGTCTTGGCCCCAGTGGAGGCAGCAGTACCGGCTCAGGGGGATCTGGTGTGCA
 GGAAGGGCCAAAGTGGTTTTCAAAGGACCAAGCTTTTTGGGAGAGCCAGAGAATGGC
 TGCACCCCCCTGAAAACGTGAAAACCGTGGACCCCTCAAGGGCGCTTGTACGTTGTCT
 CCCAACTCCCAAGGGCAGGGGATTGGGGAACAATAGGCTTGGGCAGGAGGGGCCACGGC
 TTCTAGTGGCCCAATTCCTTGAAGAGCTCCTTCTGGGACAAAAACACCTTGGGGAAC
 CCCCCCTTGGGGGGCCTTGGGAAGACCCCC

Restriction Sites:

NotI-NotI

ACCN:

AK094870

Insert Size:

1000 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: [AK094870.1](#)

RefSeq Size: 2046 bp

RefSeq ORF: 2046 bp

Locus ID: 84937

Cytogenetics: 16q23.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes an E3 ubiquitin-protein ligase that plays a role in neural-cell differentiation. Overexpression of this gene causes neurite-like elongation. The encoded protein contains both a zinc finger and a RING finger motif and is localized in the endosome/lysosome compartment, indicating that it may be involved in ubiquitin-mediated protein modification, and in synaptic vesicle membranes in neurons. [provided by RefSeq, Feb 2012]