

Product datasheet for **RC205571**

ZNRF4 (NM_181710) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNRF4 (NM_181710) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNRF4
Synonyms:	RNF204; SPERIZIN; spzn; Ssrzf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205571 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCTCTGCCGTCCGGAGCACTTAATGCCTAGAGCCAGCAGGGTCCCAGTGGCCGCGTCACTGCCTC
 TGAGCCACGCGGTCAATCCAACCAACTGCCCTCGCGTTCGGCCACAGGCCCTGGGAGACCCGGAG
 ATGCCAAAGGCCTCATGCCTGCCGCTCCAGTGGGACCTAGCAGCACACAGACAGCGAAGCGGGTGACC
 ATGGGGTGGCCACGCGCCGGCCAAAGCCCTCGTGGCAGTCAAAGCCTTGCTGGTCTGTGCGTGTCCAGG
 TGCCCGCGCAGGCGGTGTACGGGCCGTGCTGGAAGACAACCTCGAGCTCGGTGGACTTTGCGGATCTGCC
 GGGCGTGTTCGGCGTCCCCTGGCCCCGAGGGCATAACGGGGCTACCTGATGGAGGTCAAGCCAGCCAAC
 GCGTGCCATCCCATCGAGGCCCGGACTGGGCAACCGCTCTCTGGGCTCCATCGCGCTGATCCGCCACT
 ACGACTGCACCTTCGACCTCAAGGTGCTGAACGCCAGCGCGCCGGCTTCGAGGGCGCCATCGTGACAA
 CGTCCACTCCGACGACCTCGTGAGCATGACCCACGTCTACGAGGACTTGAGGGGCCAGATCGCCATCCCC
 TCAGTGTTCGTGAGCGAGGCCCGCTCGCAGGACCTGCGGGTTCATCCTGGGCTGCAACAAGTCGGGCCACG
 CGCTGCTCCTGCCCGACGACCCACCGTGCCACGACCTGGGCTGTACCCCGTGTGACCGTGTCTGGGT
 GCTGGGCTGTACCTGGCCCTGGTTCGTATCAGCCTTCTTTGTCCTGAACCACCTGTGGCTCTGGGCCAG
 GCCTGTGTCAGCCACAGACGCGCCGTGAAGACGTCTACCTGCCAGAAGGCCAGGTCCGCACCTTACGT
 GGCACAACGACCTGTGTGCCATCTGCCTGGATGAGTACGAGGAGGGCGACCAACTCAAGATCCTGCCCTG
 CTCCCACCTACCACTGCAAAATGCAATTGACCCCTGGTCTCCCAAGCCCCCGCGCTCCTGCCCGTG
 TGCAAACAGTCGGTGGCCGCCACAGAAGACAGCTTTGACTCCACCACCTACAGCTTCAGGGACGAGGACC
 CCTCCCTACCGGGCCACCGGCCCCCATCTGGGCCATTCAAGTCCAGCTACGCTCCCGGAGGCTGGAGCT
 GCTGGGCCGCGCCAGTCCCACCTGCCACTGCAGCACACGTCCCTGGAGGCAGAGTATACCACTGTCTCC
 TCAGCCCTCCTGAGGCCCTGGTCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC205571 protein sequence
 Red=Cloning site Green=Tags(s)

MPLCRPEHLMPRASRPVVAASLPLSHAVIPTQLPSRSGHRPPGRPRRCPKASCLPPPVGPSSTQTAKRVT
 MGWPRPGQALVAVKALLVLSLLQVPAQAVVRAVLEDNSSSVDFADLPALFGVPLAPEGIRGYLMEVKPAN
 ACHPIEAPRLGNRSLGSIALIRHYDCTFDLKVNAQRAGFEAAI VHNVHSDDLVSMTHVYEDLRGQIAIP
 SVFVSEAAASQDLRVILGCNKSAAHALLPDDPPCHDLGCHPVLTVSWVLGCTLALVVSFAFFVLNHLWLWAQ
 ACCSHRRPVKTSTCQKAQVRTFTWHNDLCAICLDEYEEGDQLKILPCSHTYHCKCIDPWF SQAPRRSCPV
 CKQSVAAATEDSFDSTTYSFRDEDPSPLPGHRPPIWAIQVQLRSRRELLGRASPHCHCSTTSLEAEYTTVS
 SAPPEAPGQ

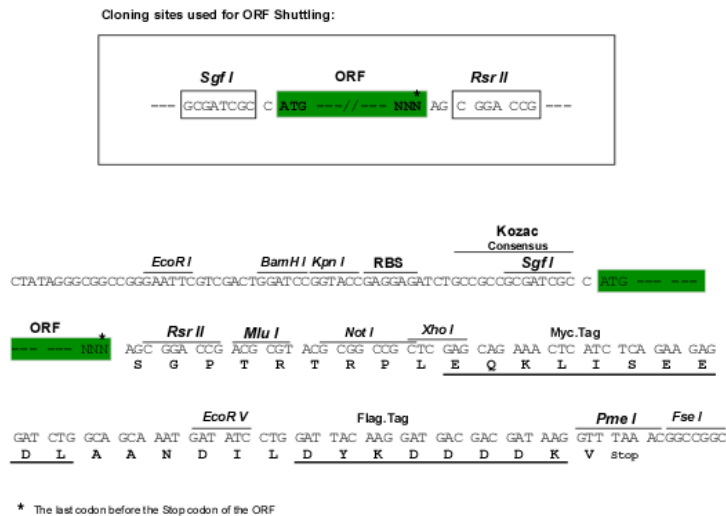
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6809_d01.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_181710

ORF Size: 1287 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_181710.2](#), [NP_859061.2](#)

RefSeq Size: 1442 bp

RefSeq ORF: 1290 bp

Locus ID: 148066

UniProt ID: [Q8WWF5](#)

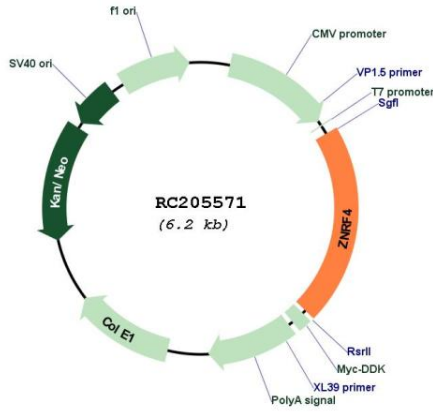
Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transmembrane

MW: 46.9 kDa

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]

Product images:



Circular map for RC205571