

Product datasheet for **RC225999**

RNF180 (NM_001113561) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RNF180
Synonyms:	RINES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225999 representing NM_001113561
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAAGAAGCAAGAATTGATACTAAAAATCATAGTCAAGAGGAAACAAGTATTCTTCGTTGTTGGA
 AATGTAGAAAATGTATAGCAAGCTCTGTTGTTTTATGGAGTATCTTGAGAATCAAGTGATTAAGGATAA
 AGATGATTCAGTTGATGCTCAAAATATTTGTCTGTGTGGCACATGAATGTAGAAGCCCTCCAGAAATGG
 ATAAGCTGCCTAATCCAAAAGCCAGTGGACAGTTGGAAGTGAATGTCTTTCTGTGGGGCCCGTT
 TAGGGGGCTTTAATTTTGTGACACTCCAAATGTTCTGTGGCCAGCTGCAGCTGTACATCTCTCAA
 GAGCCGGACTGATTATCAGCCAACACAGGCAGGAGACTAATGAGACCATCAGTGAATACTTGTACAT
 CCTAGAGTTGAGTCAAGTTGTGACAAGGAAGCTCTGCTGACAGGTGGTGGCTCTGAAAAACAGAAATCACA
 GGCTTTTAAACATGGCCGAAATAATAATGACCCTGGAAGATTAAACAGAAGCACTCTGCCTGGAGGTGCG
 ACCAACATATTTGAGATGAAGAACGAAAACTGCTGTCCAAAGCATCAGAACAAAAATACCAGCTTTT
 GTTCCCGAGCTTGTGACTGGCAGATGCGCTACAAGAGCTTTTCATAGAAAATCACATAGTTTGGATCTGA
 ACATCAGTGAGAACTGACTTTATTACCCACTTTATATGAAATACATAGTAAGACTACTGCCTATTCCAG
 ACTAAATGAAACACAGCCTATTGACCTTTCAGGCTTGCTTTACAATCTAGTAAAAATAGCTATTCTTT
 CAGAATCCATCCAGTTTGTATCTAGTATGCTGCTGCAAGATTTTCAGTGGCCCCCATGAGACCCAGA
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 CAATCTGACTTTCCTGATGGACCTGCCCTCAGCTGGCAGGAGCATGCCGAGGCCTCAGACCAGGAAGAG
 CACCTCTCCCTCTGGACTTCTGCACTCAGCCAATTTTTCATTGGGCAGCATTAAATCAGAGGCTTAATA
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 GGGTAAATACTCAGGAGTGGGATTGCTGGATCATATGACTTTGAATAATGAGATGAGTACAGATGAAGAC
 AATGAATATGCAGAAGAAAAGGATAGCTACATCTGTGCAAGTGTCTGGACGTTTATTTCAACCCTTATA
 TGTGTTACCCCTGGCATCACATCTTCTGTGAGCCCTGCTTACGGACTCTGGCCAAAGACAATCCTTCAAG
 CACTCCATGCCATTGTGTCGACAAATTATTTCTAGAGTCTTTTCCAAACAGAATTGAACAATGCCACA
 AAAACTTTCTTTACTAAAGAATATTTGAAAATAAAACAAAGCTTTTCAGAAATCCAACCTCGCAAAATGGC
 CCCTACCAAGCTGCAGAAAAGCATTTTCATCTTTTGGAGGTTTCCGACAGATGCAGCTCCAGTTACAAG
 AAGGCAGTTCACACGGTGCACACAGGATGGATTACCTGCACTTTGAGGATGATAGCCGTGGATGGTGG
 TTTGACATGGATATGGTATCATATATTTATTCAGTGAAGTGGTCATTGGATTCATTGTTTTCTGCT
 TTCTTTGCTATTTTTCTTCCGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225999 representing NM_001113561
 Red=Cloning site Green=Tags(s)

MKRSKELITKNHSQEETSIILRCWKCRKCIASSGCFMEYLENQVIKDKDSDVDAQNICHVWHMNVLEALPEW
 ISCLIQKAQWTVGKLNCFPCGARLGGFNFVSTPKCSCGQLAAVHLKSRDQYQPTQAGRLMRPSVKYLSH
 PRVQSGCDKEALLTGGGSENHRLLNMARNNDPGRLEALCLEVRPTYFEMKNEKLLSKASEPKYQLF
 VPQLVTGRCATRAFHRSKSLDLNISEKLTLPLTYEIHSTTAYSRLNETQPIDLSGLPLQSSKNSYSF
 QNPSSFDPSMLLRFSVAPHETQTRGGEFQCGLEAASVYSDHTNTNNTFLMDLPSAGRSMPESDQEE
 HLSPLDFLHSANFSLGSLNQRLNKRERSKLNLRKQRRERWLQKQKYSVGLLDHMTLNNEMSTDED
 NEYAEKDSYICAVCLDVYFNPYMCYPCHHIFCEPCLRTLAKDNPSSTPCPLCRTIISRFFQTELNAT
 KTFFTKEYLKIQSFQKNSAKWPLPSCKAFHLFGGFRRAAPVTRRQFPHGAHRMDYLHFEDDSRGWW
 FDMDMVYIYISVNWVIGFIVFCFLCYFFFPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8068_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113561

ORF Size: 1776 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:

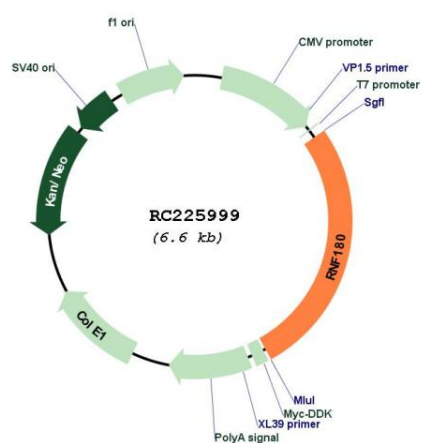
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001113561.2](#), [NP_001107033.1](#)

RefSeq ORF:	1779 bp
Locus ID:	285671
UniProt ID:	<u>Q86T96</u>
Cytogenetics:	5q12.3
Protein Families:	Transmembrane
MW:	68.1 kDa
Gene Summary:	E3 ubiquitin-protein ligase which promotes polyubiquitination and degradation by the proteasome pathway of ZIC2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225999