

## Product datasheet for **RC201880**

### RNF138 (NM\_016271) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF138 (NM_016271) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF138
Synonyms:	hNARF; HSD-4; NARF; STRIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201880 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAGGACCTCTGCGGCCACGTCTACACCGAAGATGATTTCTACTGCCCCGTCTGTCAGGAGG  
TGCTCAAACGCCCGTGCAGACACGGCCTGTCAGCACGTTTTCTGTAGAAAATGTTTCTGACTGCAAT  
GAGGGAAAGCGGAGCACATTGTCCCTATGTCGTGAAATGTGACTAGAAGAGAGAGAGCATGTCCTGAA  
CGGGCCTTAGACCTTAAAAATAATGAGGAAGTTTTCTGGTAGCTGCAGATGCTGTGAAAACAGATTA  
AATTCTATCGCATGAGACATCATTACAAATCTTGAAGAAGTATCAGGATGAATATGGTGTTCCTCTAT  
CATTCCAAACTTTAGATCTCTCAAGATTCAGTAGGGAACAGCAATAGGAGTGAAACATCCACATCTGAT  
AACACAGAACTTACCAAGAGAATAACAAGTTCTTCTGGTCATCCTACTTTAAGTGTCCCCTGTGTCAAG  
AATCAAATTTTACCAGACAGCGTTTACTGGATCACTGTAACAGTAATCACCTATTTAGATAGTTCTGT  
GACATGTCCTATTTGTGTGTCTTCTTGGGGAGATCCTAGCCAGATTACCAGAAATTTGTTAGTCAT  
CTAAATCAGAGACATCAATTTGATTATGGAGAATTTGTGAATCTTCAGCTAGATGAAGAAACCAATACC  
AAACTGCTGTTGAAGAATCTTTCAAGTAAACATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC201880 protein sequence  
 Red=Cloning site Green=Tags(s)

MAEDLSAATSYTEDDFYCPVCQEVLKTPVVRTTACQHVFCRKCFLTAMRESGAHCPLCRGNVTRRERACPE  
 RALDLENIMRKFSGSCRCCAQIKFYMRHHYKSKKYQDEYGVSSIIPNFQISQDSVGNRSRSETSTSD  
 NTETYQENTSSSGHPTFKCPLCQESNFTRQRLLDHCNSNHLFQIVPVTCPICVSLPWGDPSSQITRNFVSH  
 LNQRHQFDYGEFVNLQLDEETQYQTAVEESFQVNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6538\\_b06.zip](https://cdn.origene.com/chromatograms/mk6538_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_016271

**ORF Size:** 735 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\\_016271.5](#)

**RefSeq Size:** 3585 bp

**RefSeq ORF:** 738 bp

**Locus ID:** 51444

**UniProt ID:** [Q8WVD3](#)

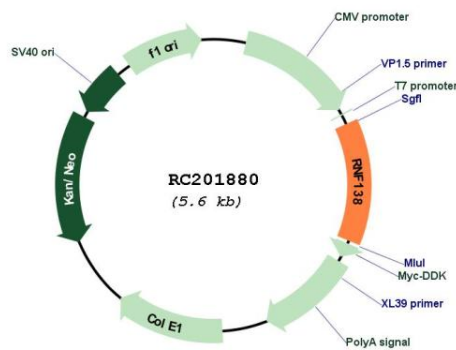
**Cytogenetics:** 18q12.1

**Domains:** RING

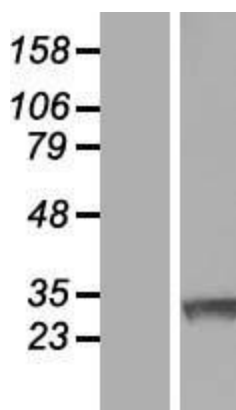
**MW:** 28.2 kDa

**Gene Summary:** The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-DNA and protein-protein interactions. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC201880



Western blot validation of overexpression lysate (Cat# [LY414083]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201880 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).