

Product datasheet for **RC200161**

RNF126 (NM_017876) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF126 (NM_017876) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF126
Synonyms:	FLJ20552; MGC1022; MGC1022, FLJ20552, MGC14317; MGC14317; ring finger protein 126
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200161 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGGGCTCGCCGCATCCCGACGGTACTTCTGCCACTGCTGCTCCGTGGAGATCGTCCCGGCC
TGCCGGATTATCTGTCCAAGATGCGAGTCTGGTTTTATCGAGGAGCTTCCGGAAGAGACCAGGAGCAC
AGAAAATGGTTCTGCCCCCTCCACAGCTCCACAGACCAGAGCCGGCCACCGTTGGAGCAGTGGACCAG
CACCTGTTACGCTGCCGAGGGCTACGGACAGTTTGCTTTCGGCATCTTCGATGACAGCTTCGAGATCC
CCACGTTCCCTCCTGGGGCGCAGGCTGACGACGGCAGGACCCTGAGAGCCGGCGGAGAGACCATCC
GTCCCGGCACCGGTACGGCGCCGACAGCCCCGCGCCGCTCACCACGGCGGGCCACCGGCCGCAC
GAAGGCGTCCCCACGCTGGAAGGGATCATCCAGCAGCTCGTCAACGGCATCATCACGCCGCCACCATCC
CCAGCCTGGGCCCTGGGGAGTCTGCACTCAAACCTATGGACTACGCCTGGGGGGCAACGGCCTGGA
TGCCATCATCACAGCTCCTCAATCAGTTTAAAAACACAGGCCCCCCACCGGCAGATAAAGAGAAAATC
CAGGCCCTCCCCACCGTCCCCGTCACTGAGGAGCAGTAGGCTCCGGGCTCGAGTGCCCTGTGTCAAGG
ACGACTACGCGTGGGTGAGCGTGTGCGGCAGCTGCCGTGCAACCACCTGTTCCACGACGGCTGCATCGT
GCCCTGGCTGGAGCAGCACGACAGCTGCCCGTCTGCCAAAAAGCCTCACGGGACAGAACACGGCCACG
AACCCCTGGCCTCACTGGGGTGAAGTCTCTCCTCGTCATCGTCTCCTCCAGCTCGCCACAGCA
ACGAGAACGCCACATGGTCCCCTCTGGGGCTCCCCAGCCTCCCCGTCTGTCTAACCTCACCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200161 protein sequence
Red=Cloning site Green=Tags(s)

MAEASPHPGRYFCHCCSVEIVPRLPDYICPRCESGFIEELPEETRSTENGSA PSTAPT DQSRPPL EHV DQ
 HLF TLPQGYGQFAFGIFDD SFEIPTFP PQAQDDGRDPESRRERD HPSRHR YGARQPRARL TTRRATGRH
 EGVPTLEGIIQQLVNGIITPATIPSLGPWGLVLSNPMDYAWGANGLDAIITQLLNQFENTGPPPADKEKI
 QALPTVPVTEEHVGSLECPVCKDDYALGERVRQLPCNHLFHDGCIVPWLEQH DSCPVCRKSLTGQNTAT
 NPPGLTGVSFSSSSSSSSSSSPSNENATWSPLGRPQPPRPLSNLTL

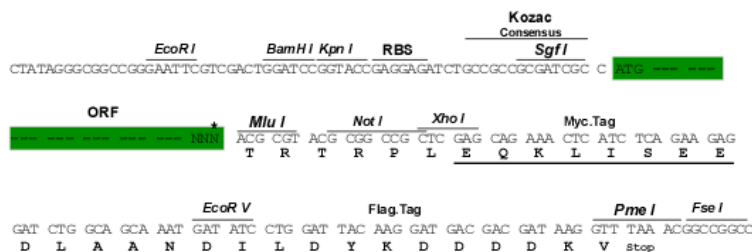
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6400_d08.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_017876

ORF Size: 978 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_017876.3](#), [NP_060346.2](#)

RefSeq Size: 1457 bp

RefSeq ORF: 980 bp

Locus ID: 55658

Cytogenetics: 19p13.3

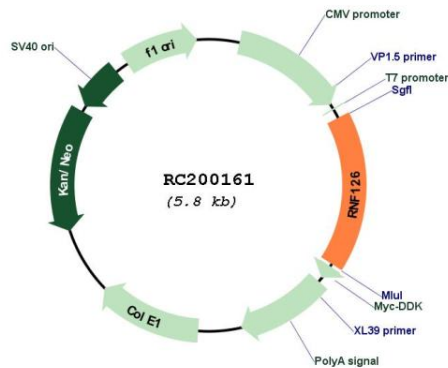
Domains: RING

Protein Families: Druggable Genome

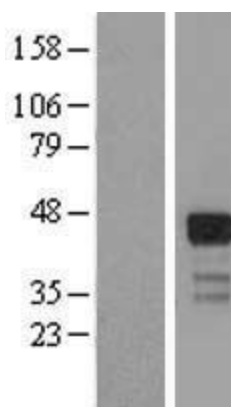
MW: 35.6 kDa

Gene Summary: The protein encoded by this gene contains a RING finger domain, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC200161



Western blot validation of overexpression lysate (Cat# [LY413497]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200161 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).