

Product datasheet for **RC239167**

C13orf18 (RUBCNL) (NM_001286762) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C13orf18 (RUBCNL) (NM_001286762) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C13orf18
Synonyms:	C13orf18; KIAA0226L; PACER
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239167 representing NM_001286762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGTCACAATCTACAGTCAGGCAGGATTCTCCTGTGGAGCCCTGGAAGGGATCAGCGATCACTCTG
 GCATTATTGATGGTTCCGCCAGACTCCTGAACACTGACCATCCTCCTTGCCAATTAGACATCAGGCTCAT
 GAGGCACAAAGCTGTCTGGATTAAACCCAGGATGTGCAGCAACAGCCGAGGACTTGCAATCTCAGGTG
 CCAGCAGCAGGGAACAGTGGGACCCATTTGTGACAGATGCTGCCTCTCCCTCAGGCCCTTCACCTTCGT
 GCCTCGGGGACTCCCTGGCAGAGACAACGTTGTCTGAGGATACCACAGACTCCGTTGGCAGCGTTCTCC
 CCATGGCTCGAGTGAAAAGAGTAGCAGCTTCTCTGTCTCAACAGAGGTACACATGGTCCGCCAGGA
 TACTCTCATCGGGTGTCTCTGCCACAAGCCCTGGGATTTGGCCACCTCCCATATCCTGAGACTGACA
 GTGCTTTTTTTGAGCCTTCCCATCTGACATCTGCTGCTGATGAAGGTGCTGTTCAAGTCAGTAGAAGAAC
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 TTTTATGTTGCAGATATGATTATATCAGCAATGGAGAAAATGAAGTGTAACATTCTGAGTCAACAGCAGA
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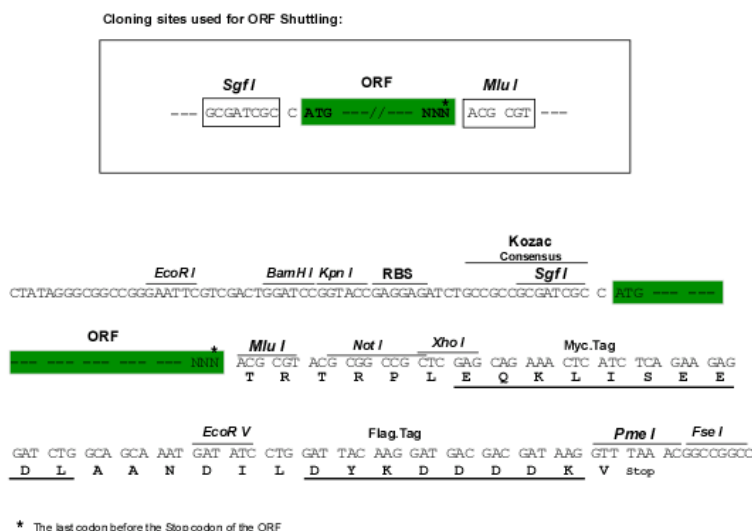
Protein Sequence: >RC239167 representing NM_001286762
Red=Cloning site Green=Tags(s)

MVQSSTVRQDSPVEPWEGISDHSIGIDGSPRLNTDHPQCQLDIRLMRHKAVWINPQDVQQPQDLQSQV
PAAGNSGTHFVTDAAASPSGSPSCLGDSLAEETLSEDTTDSVGSASPHGSSEKSSSFSLSSTEVHMRPG
YSHRVLPTSPGILATSPYPETDSAFFEPShL TSAADEGAVQVSRRTISSNSFSPEVFVLPVDVEKENAH
FYVADMIISAMEKMKCNILSQQTESWSKEVSGLLGSDQPDSEMTFDTNIKQESGSTSSYSGYEGCAVL
QVSPVTETRTYHDVKEICKCDVDEFVILELGDFNDITETCSCSCSSSKSVTYEPDFNSAELLAKELYRVF
QKCWILSVVNSQLAGSLSAAGSIVVNEECVRKDFESSMNVVQEIKFKSRIrgTEDWAPPRFQIIFNIHPP
LKRDLVVAAQNFFCAGCGTPVEPKFVKRLRYCEYLKGYFCDCCHSYAESCIpARILMMWDFKYYVSNFS
KQLLDSIWHQIPFNLLSIGQLYAKAKELDRVKEIQEQLFHIKLLKTCRFANSCVKERALFVNfARIRL
SSSHFRQQHVEDVQRAGLAFTNSASSPPSAPGVRGSQRGENFWKWVPLQQHDAPeYCEKDCSTCLMITPI
CYYYY

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001286762

ORF Size: 1905 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_001286762.3](#)

RefSeq Size: 3709 bp

RefSeq ORF: 1908 bp

Locus ID: 80183

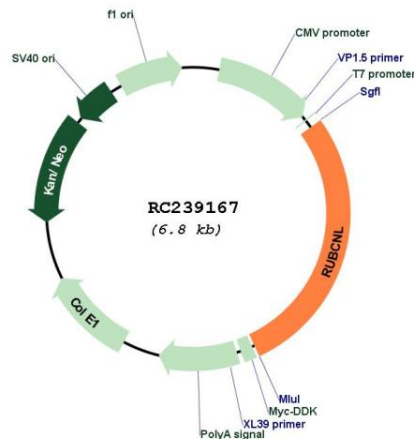
UniProt ID: [Q9H714](#)

Cytogenetics: 13q14.13

MW: 71.3 kDa

Gene Summary: This gene encodes a cysteine-rich protein that contains a putative zinc-RING and/or ribbon domain. The encoded protein is related to Run domain Beclin-1-interacting and cysteine-rich domain-containing protein, which plays a role in endocytic trafficking and autophagy. In cervical cancer cell lines, this gene is expressed at low levels and may function as a tumor suppressor. Promoter hypermethylation of this gene is observed in cervical cancer cell lines and tissue derived from human patients. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RC239167