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Product datasheet for RC231114

LOC285498 (RNF212) (NM_001193318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LOC285498
Synonyms:	ZHP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC231114 representing NM_001193318
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAACTGGGTGTTCTGTAATCGCTGCTTCCAGCCGCCCCACAGGACGTCGTGCTTCAGCCTCACCA
ACTGCGGGCACGTGTACTGCGACGCCTGCCTCGGCAAAGGTAAAAAGAATGAATGCTTGATTTGTAAAGC
TCCTTGTCGTACAGTTTTGCTTTCAAAGCATACCGACGCAGATATCCAGGCATTCTTCATGAGCATAGAC
AGTCTGTGTAAGAAGTACTCCAGGGAAACCTCCCAGTATCTCAGGCTTTCCCGAGGCTGTTGCCGTCTCA
AGTTATGCCCAGCCACATCCTCCAAGGAGGTGCCCAGAGGCTCGACCCATGGAAGCCAAGCAGCAGCCAG
AGATCCCCAAGAACACTGGGTCAGCACAACACGGGCACCCAGACCAGGATGCCGGCGGTCCCAGAGCCAG
CCAGAGGCCCAGGGAAACACCATCCAGGACGCACCTCACCCCCTCACCCTGCTCCATCCCAGCAGGACCC
TCATTCACACCAAGTCCCCTTGGGGCCAGAAGTTGCTTGAGTTCATAAAACATGTCTGTTATCACAGACA
TCAGAGCCACAGGCCGTGCGCTCCAGGGTGGTTTTGCCAAGTGCTGCAGAGGCCAGGTGCTGTCTCAGGA
GAGAAGACCCAGCAGACCCGGCCAGCCCCTCCAGCCACCTGTCTGCTCTGCCTCTCGTGCCTCTCAGGCT
TCCGGCATGGGCCGTGGAGGTCACAGGCTCTGCCCAGTGACCTCGTGGCCCCACTGTTTGTCAGTTACAC
TGTGGAGGTGAGCATCACAAACGCAGGGTGGAGTTTTCCCGCAGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC231114 representing NM_001193318
Red=Cloning site Green=Tags(s)

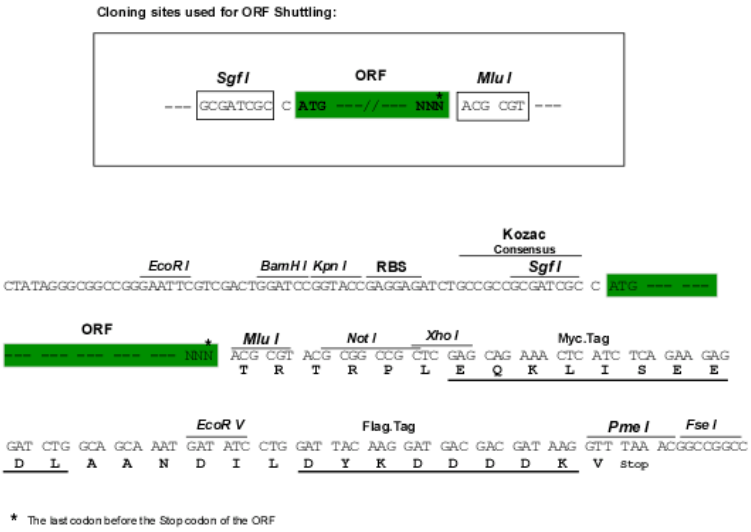
MANWVFCNRCFQPPHRTSCFSLTNCGHVYCDACLGKGKKNECLICKAPCRTVLLSKHTDADIQAFFMSID
SLCKKYSRETSQYLRLSRGCCRLKLCPATSSKEVPRGSTHGSQAAARDPQEHWVSTTRAPRPGCRRSQSQ
PEAQGNTIQDAPHPLTLLHPSRTLIHTKSPWGQKLLEFIKHVCYHRHQSHRPCAPGWFCQVLQRPGAVSG
EKTQQTRPAPPATCLLCLSCLSGFRHGPWRSQALPSDLVAPLFVSYTVEVSITNAGWSFPAAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193318

ORF Size: 819 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_001193318.3

RefSeq ORF: 822 bp

Locus ID: 285498

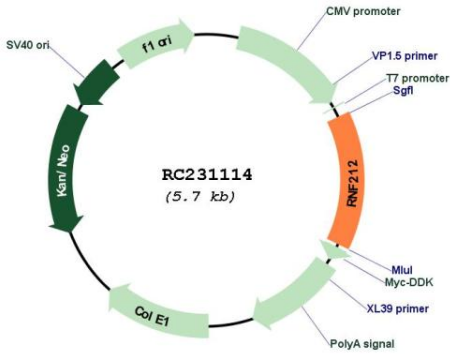
UniProt ID: Q495C1

Cytogenetics: 4p16.3

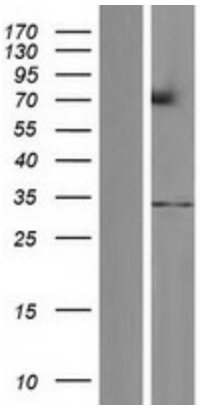
MW: 30.8 kDa

Gene Summary: This gene encodes a RING finger protein that may function as a ubiquitin ligase. The encoded protein may be involved in meiotic recombination. This gene is located within a linkage disequilibrium block and polymorphisms in this gene may influence recombination rates. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2010]

Product images:



Circular map for RC231114



Western blot validation of overexpression lysate (Cat# [LY434113]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231114 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).