

Product datasheet for **RC225411**

LOC285498 (RNF212) (NM_001131034) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RC225411 representing NM_001131034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCAACCTGGGTGTTCTGTAATCGCTGCTTCCAGCCGCCCCACAGGACGTCGTGCTTCAGCCTCACCA
ACTGCGGGCACGTGTACTGCGACGCCTGCCTCGGCAAAGGTAAGAAAGATGAATGCTTGATTTGTAAGC
TCCTTGTGTCAGTTTTGCTTTCAAAGCATACCGACGCAGATATCCAGGCATTCTTCATGAGCATAGAC
AGTCTGTGTAAGAACTACTCCAGGAAACCTCCAGATTTAGAATTTCAAGAAAAACAGGAAGAGAT
TGTTAGCCTTCTATAGAGAAAAGATTCTAGGTTGGAAGAATCCCTTAGGAAGTCAGTGCTGCAGATAGA
ACAACTACAAAGTATGAGATCATCACAACAAACAGCTTTCAGCACAATAAAAGTTCAGTTTCAACAAAA
CCACACGGATGCCTGCTGCCACCTCACTCATCAGCCCCGACAGACTGGAGTCGATGGAAGTTGATCTCT
CTCCTTCTCCGATTAGAAAATCTGAGATAGCAGCCGCCCTGCGAGAATCTCCATGATTAGTCCACCTCA
AGATGGACGAATGGGGCCACATCTAACAGCTTCTTTCTGTTTCATCCATGGTTGACCTTGCTAAGCCC
CCTGTGCCCGAGAGTGTGTCATTTCCAGAGGTTACCATGTTTCTGCATAGACGTCGTCTCACTGGC
TGCTCCTCTAGCGTTCACTTCTGGAAGGCACGGGAACTACCAACTCTAAACACTTCCAATATATGC
TGAGGTACAAGGGCCGCTTTGTTCCGTTCCAGCAGGCTGAGGGCACCTGGACACGTTTCAACACCC
GCTGTGCTGTTGTGTTTCTCTTTGCCAATTTGAAAGGAAAAAGTCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225411 representing NM_001131034

Red=Cloning site Green=Tags(s)

MANWVFCNRCFQPPHRTSCFSLTNCGHVYCDACLGKGGKNECLICKAPCRTVLLSKHTDADIQAFFMSID
SLCKKYSRETSQILEFQEKHRKLLAFYREKISRLEESLRKSVLQIEQLQSMRSSQQTAFSTIKSSVSTK
PHGCLLPPHSSAPDRLESMEVDLSPSPIRKSEIAAGPARISMSPPQDGRMGPHLTASF CFIPWLTLSKP
PVPGEVCISRGSPCF CIDVCPHWLLLLAFSSGRHGEL TNSKTLPIAEVQRAVLFPFQQAEGTLDTFRTF
AVSVVFPLCQFERKKS F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

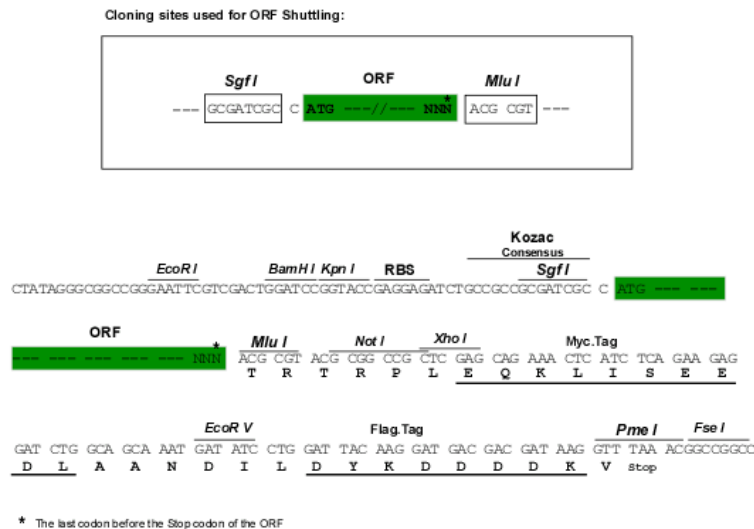
Chromatograms:

https://cdn.origene.com/chromatograms/mk8033_e02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001131034

ORF Size:

891 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_001131034.4](#)

RefSeq ORF: 894 bp

Locus ID: 285498

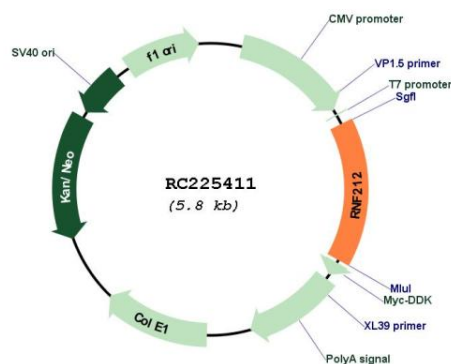
UniProt ID: [Q495C1](#)

Cytogenetics: 4p16.3

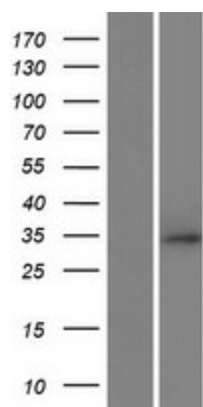
MW: 33.2 kDa

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 RC225411



Western blot validation of overexpression lysate (Cat# [LY427367]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225411 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).