

Product datasheet for **RC231172**

RBM14-RBM4 (NM_001198845) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RBM14-RBM4
Synonyms:	COAZ; PSP2; RBM14; SIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231172 representing NM_001198845
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAAGATATTCGTGGGCAACGTCGACGGGGCGGATACGACTCCGGAGGAGCTGGCAGCCCTCTTTGCGC
CCTACGGCAGGTCATGAGCTGCGCCGTCATGAAACAGTTCGCCTTCGTGCACATGCGCGAGAACGCGGG
CGCGCTGCGCGCCATCGAAGCCCTGCACGGCCACGAGCTGCGGCCGGGGCGCGCTCGTGGTGGAGATG
TCGCGCCCAAGGCCTCTTAATACTTGGAAGATTTTCGTGGGCAATGTGTCGGCTGCATGCACGAGCCAGG
AACTGCGCAGCCTCTTCGAGCGCCGCGGACGCGTCATCGAGTGTGACGTGGTGAAGGCAACGAATGCA
CGTGCAGTTGTCCACGACCGGCTTAGGACTGCGCCCGGATGGGAGACCAGAGCGGCTGCTATCGGTGC
GGGAAAGAGGGGCACTGGTCCAAGAGTGTCCGATAGATCGTTCAGGCCGCGTGGCAGACTTGACCGAGC
AATATAATGAGCAATACGGAGCAGTGCCTACGCCTTACACCATGAGCTATGGGGATTCATTGTATTACAA
CAACGCGTACGGAGCGCTCGATGCCTACTACAAGCGCTGCCGTGCTGCCCGGTCTATGAGGCAGTGGCA
GCTGCAGCTGCCTCCGTGTATAATTACGCAGAGCAGACCCTGTCCAGCTGCCACAAGTCCAGAATACAG
CCATGGCCAGTCACCTCACCTCCACCTCTCTCGATCCCTACGATAGACACCTGTTGCCGACCTCAGGAGC
TGCTGCCACAGCTGCTGCTGCAGCAGCAGCCGCTGCTGCTGTACTGCAGCTTCCACTTCATATTACGGG
CGGGATCGGAGCCCCCTGCGTCGCGCTACAGCCCCAGTCCCCACTGTTGGAGAGGGCTACGGTTACGGGC
ATGAGAGTGAGTTGTCCCAAGCTTCAGCAGCCGCGCGAATCTCTGTACGACATGGCCCGGTATGAGCG
GGAGCAGTATGCCGATCGGGCGCGTACTCAGCCTTT

AG**CGGACCG**ACGCGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC231172 representing NM_001198845

Red=Cloning site Green=Tags(s)

MKIFVGNVDGADTTPEELAAALFAPYGTVMSCAVMKQFAFVHMRENAGALRAIEALHGHEL RPGRALVVEM
SRPRPLNTWKIFVGNVSAACTSQELRSLFERRGRVIECDVVKGKRMHVQLSTSRRLRTAPMGDQSGCYRC
GKEGHWSKECPIDRSGRVADL TEQYNEQYGAVRTPYTM SYGDSL YNNAYGALDAYKRCRAARSYEAVA
AAAASVYNYAEQTLSQLPQVQNTAMASHLTSTSLDPYDRHLLPTSGAAATAAAAAAAAAAVTAASTSYG
RDRSPLRRATAPVPTVGEYGYGHESELSQASAAARNSLYDMARYEREQYADRARYSAF

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

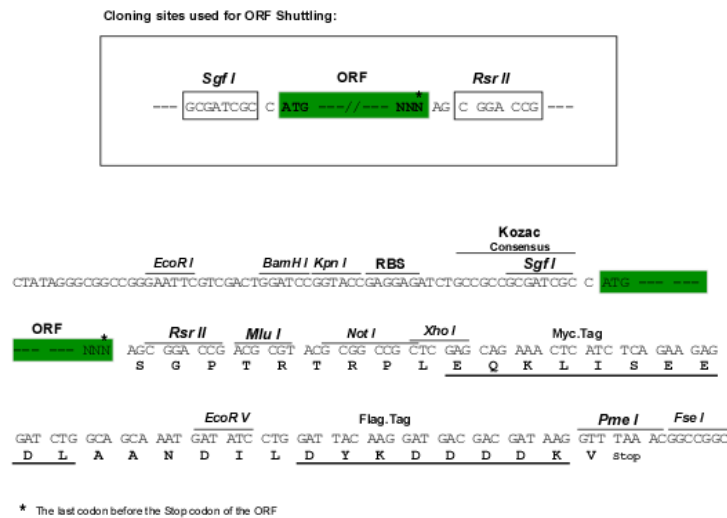
Chromatograms:

https://cdn.origene.com/chromatograms/mk8053_c01.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN:

NM_001198845

ORF Size:

1017 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_001198845.1](#), [NP_001185774.1](#)

RefSeq ORF: 1020 bp

Locus ID: 100526737

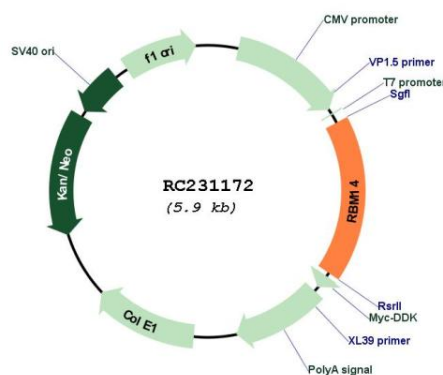
UniProt ID: [Q96PK6](#)

Cytogenetics: 11q13.2

MW: 37.5 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring RBM14 (RNA binding motif protein 14) and RBM4 (RNA binding motif protein 4) genes. Alternative splicing results in multiple transcript variants, one of which encodes a fusion protein that shares sequence identity with each individual gene product. This fusion protein contains RRM and zinc finger domains, and it functions to stimulate transcription in a hormone and receptor-dependent manner. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RC231172