

Product datasheet for **RC207513**

RBMX2 (NM_016024) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMX2 (NM_016024) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBMX2
Synonyms:	CGI-79; Snu17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207513 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCCTTTAACTAAGGTGAAGCTGATCAACGAGCTGAATGAACGAGAGGTCCAGCTTGGGGTGGCCG
ATAAGGTGTCCTGGCACTCCGAGTACAAGGACAGCGCCTGGATCTTCTGGGAGGGCTTCTTATGAACT
GACTGAAGGGGACATCATCTGTGTGTTCTACAATATGGGGAGATTGTTAACATTAATCTCGTGC GGAC
AAGAAAACCTGGGAAATCCAAAGGATTCTGTTTCTCTGCTATGAAGACCAGAGGAGCACAATTCTGGCCG
TCGACAATTTTAAATGGGATCAAGATCAAAGGAAGAAGCTATCCGAGTGGATCATGTGTCTAACTATCGGGC
TCCTAAGGACTCAGAAGAAATAGATGATGTGACCAGACAAGCTCCAGGAGAAGGGCTGTGGGGCTCGTACC
CCCTCACCAAGTTTGTCTGAGAGCTCTGAAGATGAAAAACCAACAAAAAGCACAAAAAGACAAAAAGG
AAAAAAGAAAAAAGAAAAAAGAAAAAGAAAGCCGACCGGGAGGTACAGGCAGAGCAACCATCCTCTTC
GTCACCCAGACGCAAGACAGTAAAGGAAAAGGATGACTGGCCCTAAGAAGCACAGCAGCAAGAAGTCA
GAGAGAGCTCAGAAGTCAGAGCCAGGGAGGGCAGAAGCTCCCAATCCAGGACGGCTACTCTGGTG
GAGCAGAGGACCTAGAGAGGGAGCTGAAGAAGGAGAAACCAAGCAGCAGCACAAGTCTCAAGCAGGAG
GGAGGCAAGAGAAGAAAAAGACCAGGATTAGGGACAGAGGGCGGAGCTCAGATGCACATCTAGCTGGTAT
AATGGGCGTTCTGAAGGGCGTAGTTATAGAAGTAGAAGTAGGAGCCGAGATAAATCCCATAGGCATAAAA
GGGCCCGACGCTCCCGGGAGCGGAGTCTCGAATCCAGTACCAGTGGCGTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207513 protein sequence
Red=Cloning site Green=Tags(s)

MNPLTKVKLINELNEREVQLGVADKVSWHSEYKDSAWIFLGGLPYELTEGDIICVFSQYGEIVNINLV
 KKTGKSKGFCFLCYEDQRSTILAVDNFNGIKIKGRTIRVDHVSNYRAPKDSEEIDDVTRQLQEKGGC
 PPSLSESEDEKPTKKHKKKKKEKKEKADREVQAEQPSSSSPRRKTVKEKDDTGPKKHSKNS
 ERAQKSEPREGQKLPKSRRTAYSGGAEDLERELKKEPKHEHKSSSRREAREEKTRIRDRGRSSDAHSSWY
 NGRSEGRSYRSRSDKSHRHKRARRSRERESSNPSDRWRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6379_c01.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_016024

ORF Size: 966 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_016024.4](#)

RefSeq Size: 1528 bp

RefSeq ORF: 969 bp

Locus ID: 51634

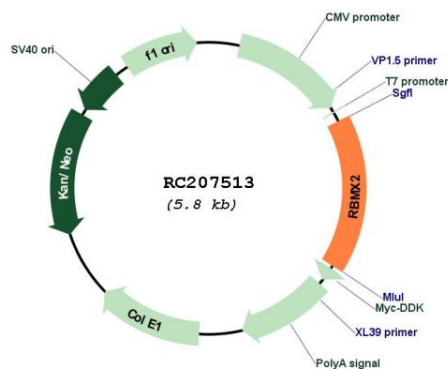
UniProt ID: [Q9Y388](#)

Cytogenetics: Xq26.1

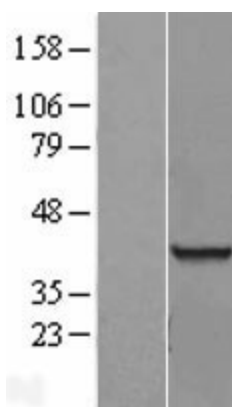
MW: 37.3 kDa

Gene Summary: Involved in pre-mRNA splicing as component of the activated spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207513



Western blot validation of overexpression lysate (Cat# [LY414243]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207513 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).