

Product datasheet for RC202165

RBMXL1 (NM_019610) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | RBMXL1 (NM_019610) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | RBMXL1 |
| Synonyms: | RBM1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC202165 representing NM_019610 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGAAGCAGATCGCCAGGAAAGCTCTTCATTGGTGGGCTTAATACGGAACAAATGAGAAAGCTC
TTGAAACAGTATTTGGCAAATATGGACGAATAGTGAAGTACTCTTGATAAAAGACCGTGAACCAACAA
ATCAAGAGGATTTGCTTTTGTACCTTTGAAAGCCAGCAGACGCTAAGGATGCAGCCAGAGACATGAAT
GGAAAGTCATTAGATGGAAAAGCCATCAAGGTGGAACAAGCCACCAACCATCATTTGAAAGAGGTAGAC
ATGGACCGCCCCACCTCCAAGAAGTAGAGGTCTCCAAGAGTTTTGGAGCTGGAAGAGGAGGAAGTGG
AGGAACCAGGGGACCTCCTTACGAGGAGGACACATGGATGATGGTGGATATTCCATGAATTTAACATG
AGTTCTTCCAGGGGACCACTCCCAGTAAAAAGAGGACCACCACCAAGAAGTGGGGTCTTCTCCTAAGA
GATCTGCACCTTCAGGACTAGTTCGCAGCAGCAGTGAATGGGAGGAAGAGCTCCTCTATCACGTGGAAG
AGATAGTTATGGAGTCCACCTCGAAGGGAACCGCTCCCCTCTCGTAGAGATGTTATTTGTCCCAAGA
GATGATGGGATTTCTACTAAAGACAGCTATTCAAGCAGAGATTACCAAGTTCTCGTGATACAAGAGATT
ATGCACCACCACCAGAGATTACTTACCGTGATTATGGTCATTCCAGTTCACGTGATGACTATCCATC
AAGAGGCTATGGCGATAGAGATGGATATGGTCGTGATCGTGACTATTCAGATCATCAAGTGGAGGTTCC
TACAGAGATTCATATGAGAGTTATGGTAACTCAGTAGTGCTCCACTTACACGAGGGCCCCGCCATCTT
ATGGTGAAGCAGTCGCTATGATGATTATAGCAGCTCACGTGATGGATATGGTGAAGTCGAGACAGTTA
CTCAAGCAGCCGAAGTGATCTCTACTCAAGTTGTGACAGGGTTGGCAGACAAGAAAGAGGGCTTCCCCT
TCTGTAGAAAGGGGTACCCTTCTTACGTGATTCTACAGCAGTTCAAGCCGGGAGCACCAGAGGTT
CTGGCCCTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202165 representing NM_019610
Red=Cloning site Green=Tags(s)

MVEADRPGLF IGGLNTEETNEKALETVFGKYGRIVEVLL IKDRETNKSRGF AVVTFESPADAKDAARDMN
 GKSLDGKAIKVEQATKPSFERGRHGPPPPRSRGPPRGFGAGRGGSGGTRGPPSRGGHMDDGGYSMNFMN
 SSSRGLPLVKRGPSPKRSAPSGLVRSSSGMGGRAPLSRGRDSYGGPPRREPLPSRRDVYLSR
 DDGYSTKDSYSSRDYPSRDRTRDYAPPPRDYTYRDIYGHSSRDYPSRGGYDGRDYGDRDYSDHPSGGS
 YRDSYESYGNSRSLTRGPPSYGGSSRYDDYSSSRDYGYSRDSYSSSRDL YSSCDRVGRQERGLPP
 SVERGYPSSRDSYSSSRGAPRGAGPGGSRSDRGGGSRDY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8103_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019610

ORF Size: 1170 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.

RefSeq: [NM_019610.5](#), [NP_062556.2](#)

RefSeq Size: 5028 bp

RefSeq ORF: 1173 bp

Locus ID: 494115

UniProt ID: [Q96E39](#)

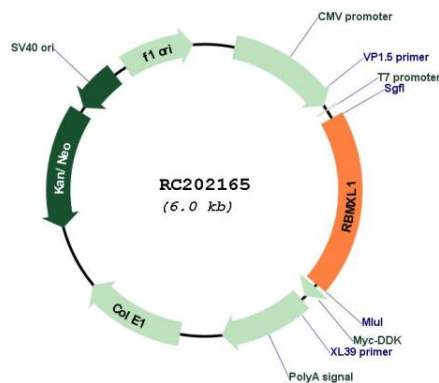
Cytogenetics: 1p22.2

Domains: RRM, RRM_1

MW: 42.1 kDa

Gene Summary: This gene represents a retrogene of RNA binding motif protein, X-linked (RBMX), which is located on chromosome X. While all introns in the coding sequence have been processed out compared to the RBMX locus, the ORF is intact and there is specific evidence for transcription at this location. The preservation of the ORF by purifying selection in all Old World monkeys carrying it suggests that this locus is likely to be functional, possibly during male meiosis when X chromosomal genes are silenced or during haploid stages of spermatogenesis. This gene shares 5' exon structure with the cysteine conjugate-beta lyase 2 locus on chromosome 1, but the coding sequences are non-overlapping. Alternative splicing results in two transcript variants. [provided by RefSeq, Jun 2009]

Product images:



Circular map for RC202165