

RBMX cDNA

Catalog Number: ATGD0416

PRODUCT INFORMATION

Catalog number

ATGD0416

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002130.2

Alternative Names

hnRNP-G, HNRNPG, HNRPG, RBMXP1, RBMXRT, RNMX

mRNA Refseq

NM_002139.3

OMIM

300199

Chromosome location

Xq26.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1176bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

RBMX cDNA

Catalog Number: ATGD0416

RBMX belongs to the RBMY gene family which includes candidate Y chromosome spermatogenesis genes. This gene, an active X chromosome homolog of the Y chromosome RBMY gene, is widely expressed whereas the RBMY gene evolved a male-specific function in spermatogenesis. Pseudogenes of this gene, found on chromosomes 1, 4, 9, 11, and 6, were likely derived by retrotransposition from the original gene. Alternatively spliced transcript variants encoding different isoforms have been identified. A snoRNA gene (SNORD61) is found in one of its introns.

DATA

Sequence nucleotides

```
ATGGTTGAAGCAGATCGCCCAGGAAAGCTCTTCATTGGTGGGCTTAATACGGAAACAAATGAGAAAGCTCTTGAAGCAGTA
TTTGGCAAATATGGACGAATAGTGGAAAGTACTCTTGATGAAAGACCGTGAAACCAACAAATCAAGAGGATTTGCTTTTGTCA
CCTTTGAAAGCCCAGCAGACGCTAAGGATGCAGCCAGAGACATGAATGAAAGTCATTAGATGGAAAAGCCATCAAGGTGG
AACAAGCCACCAAACCATCATTTGAAAGTGGTAGACGTGGACCGCCTCCACCTCCAAGAAGTAGAGGCCCTCCAAGAGGTC
TTAGAGGTGGAAGAGGAGGAAGTGGAGGAACCAGGGGACCTCCCTCACGGGGAGGACACATGGATGACGGTGGATATTC
CATGAATTTTAACATGAGTTCTTCCAGGGGACCACTCCAGTAAAAAGAGGACCACCACCAAGAAGTGGGGGTCTCCTCCT
AAGAGATCTGCACCTTCAGGACCAGTTCGCAGTAGCAGTGGAAATGGGAGGAAGAGCTCCTGTATCACGTGGAAGAGATAGT
TATGGAGGTCCACCTCGAAGGGAACCGCTGCCCTCTCGTAGAGATGTTTATTTGTCCCAAGAGATGATGGGTATTCTACTA
AAGACAGCTATTCAAGCAGAGATTACCCAAGTTCTCGTGATACTAGAGATTATGCACCACCACCACGAGATTATACTTACCG
TGATTATGGTCATTCCAGTTCACGTGATGACTATCCATCAAGAGGATATAGCGATAGAGATGGATATGGTCGTGATCGTGAC
TATTCAGATCATCCAAGTGGAGGTTCTACAGAGATTATGAGAGTTATGGTAACTCACGTAGTGCTCCACCTACACGAG
GGCCCCCGCCATCTTATGGTGGAAAGCAGTCGCTATGATGATTACAGCAGCTCACGTGACGGATATGGTGGAAAGTCGAGACA
GTTACTCAAGCAGCCGAAGTGTCTCTACTCAAGTGGTCGTGATCGGGTTGGCAGACAAGAAAGAGGGCTTCCCCCTTCTA
TGAAAGGGGGTACCCTCCTCCACGTGATTCTACAGCAGTTCAAGCCGCGGAGCACCAAGAGGTGGTGGCCGTGGAGGA
AGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATACTAG
```

Transaction Sequence

```
MVEADRPGLK FIGGLNLTETN EKALEAVFGK YGRIVEVLLM KDRETNKSRG FAFVTFESPA DAKDAARDMN GKSLDGKAIK
VEQATKPSFE SGRRGPPPPP RSRGPPRGLR GGRGGSGGTR GPPSRGGHMD DGGYSMNFNM SSSRGPLPVK
RGPPRSRGGP PPKRSAPSGP VRSSSGMGR APVSRGRDSY GGPPRREPLP SRRDVYLSR DDGYSTKDSY SSRDYPSSRD
TRDYAPPPRD YTYRDYGHSS SRDDYPSRGY SDRDGYGRDR DYSDHPSGGS YRDSYESYGN SRSAPTRGP PPSYGGSSRY
DDYSSSRDGY GGSRDSYSSS RSDLYSSGRD RVGRQERGLP PSMERGYPPP RDSYSSSSRG APRGGGRGGS
RSDRGGGRSR Y
```