

## RBM3 cDNA

Catalog Number: ATGD0429

### PRODUCT INFORMATION

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**Catalog number**

ATGD0429

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_006734.1

**Alternative Names**

IS1-RNPL, RNPL

**mRNA Refseq**

NM\_006743.4

**OMIM**

300027

**Chromosome location**

Xp11.2

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

474bp

**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**

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RBM3 is a member of the glycine-rich RNA-binding protein family and encodes a protein with one RNA recognition motif (RRM) domain. Expression of this gene is induced by cold shock and low oxygen tension. A pseudogene exists on chromosome 1. Multiple alternatively spliced transcript variants that are predicted to encode different isoforms have been characterized although some of these variants fit nonsense-mediated decay (NMD) criteria.

### DATA

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#### Sequence nucleotides

```
ATGTCCTCTGAAGAAGGAAAGCTCTTCGTGGGAGGGCTCAACTTTAACACCGACGAGCAGGCACTGGAAGACCACTTCAGC
AGTTTCGGACCTATCTCTGAGGTGGTTCGTTGTCAAGGACCGGGAGACTCAGCGGTCCAGGGGTTTTGGTTTTCATCACCTTC
ACCAACCCAGAGCATGCTTCAGTTGCCATGAGAGCCATGAACGGAGAGTCTCTGGATGGTCGTCAGATCCGTGTGGATCAT
GCAGGCAAGTCTGCTCGGGGAACCAGAGGAGGTGGCTTTGGGGCCCATGGGCGTGGTCGCAGCTACTCTAGAGGTGGTG
GGGACCAGGGCTATGGGAGTGCCAGGTATTATGACAGTCGACCTGGAGGGTATGGATATGGATATGGACGTTCCAGAGAC
TATAATGGCAGAAACCAGGGTGGTTATGACCGCTACTCAGGAGGAAATTACAGAGACAATTATGACAACCTGA
```

#### Transaction Sequence

```
MSSEEGKLFV GGLNFNTDEQ ALEDHFSSFG PISEVVVKD RETQRSRGFG FITFTNPEHA SVAMRAMNGE SLDGRQIRVD
HAGKSARGTR GGGFGAHGRG RSYSRGGGDQ GYGSGRYYS RGGYGYGYG RSRDYNGRNQ GGYDRYSGGN YRDNYDN
```