

## Product datasheet for **MR226812**

### **Rbm3 (NM\_001166411) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbm3 (NM\_001166411) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rbm3  
**Synonyms:** 2600016C11Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR226812 representing NM\_001166411  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGTCGCTGAAGAAGGGAAACTCTTCGTAGGAGGCTCAACTTCAACACCGATGAACAGGCACTTGAAG  
ACCACTTCAGCAGCTTTGGCCATCTCTGAGGTGTTGTTGTCAAGACCGGGAGACTCAAAGATCCCG  
GGTTTTGGCTTCATCACCTTCACAAACCAGAGCATGCCTCAGATGCGATGAGAGCTATGAATGGAGAG  
TCCTGGATGGCGCAAATCCGAGTTGATCATGCAGGAAAGTCTGCCAGGGGATCCAGAGGGGTGCCT  
TTGGTGGCGTGGTTCGAGTTACTCTAGAGGTGGTGGAGACCAGGGATATGGAAGTGAAGATATGACAG  
TCGTCCTGGAGGATATGGATATGGGTATGGCGGTCTAGAGACTACAGTGGCAGCCAGGGTGGCTATGAC  
CGCTACTCAGGAGGAAATTACAGAGACAATTATGACAAC**

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >MR226812 representing NM\_001166411  
**Red=Cloning site Green=Tags(s)**

MSSEEGKLFVGGILNFNTDEQALEDHFSFGPISEVVVKDRETQRSRGGFIFTFNPEHASDAMRAMNGE  
SLDGRQIRVDHAGKSARGSRGGAFGGRGRSRSRGGDQYGSGRYDSRPGGYGYGRSRDYSRSGSQGGYD  
RYSGGNYRDNYDN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:** SgfI-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001166411.2</u>
<b>RefSeq Size:</b>	1267 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	19652
<b>UniProt ID:</b>	<u>O89086</u>
<b>Cytogenetics:</b>	X 3.68 cM
<b>MW:</b>	17.1 kDa
<b>Gene Summary:</b>	Cold-inducible mRNA binding protein that enhances global protein synthesis at both physiological and mild hypothermic temperatures. Reduces the relative abundance of microRNAs, when overexpressed. Enhances phosphorylation of translation initiation factors and active polysome formation.[UniProtKB/Swiss-Prot Function]