

Product datasheet for **RC237047**

RBM7 (NM_001286045) Human Tagged ORF Clone

Product data:

| | |
|--------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | RBM7 (NM_001286045) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | RBM7 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC237047 representing NM_001286045 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGGCGGCGGCGGGAAGCGGATCGCACTCTCTTTGTGGGCAACCTTGAAACGAAAGTGACCGAGG
AGCTCCTTTTCGAGCTTTCCACCAGGCTGGGCCAGTAATAAAGGTGAAAATCCAAAAGATAAGGATGG
TAAACCAAGCAGTTTGCCTTTGTGAATTTCAAACATGAAGTGTCTGTTCCCTTATGCAATGAATCTACTT
AATGGAATCAAACTTTATGGAAGCCTATCAAATTTCAATTTAGATCAGGAAGTAGTCATGCCCCACAAG
ATGTCAGTTTGCATATCCCAACATCATGTTGGAATTTCAAGCCCTACCTCCACATCTCTAGCAGCAG
GTACGAAAGGACTATGGATAACATGACTTCATCAGCACAGATAATTCAGAGATCTTTCTCTCTCCAGAA
AATTTTCAGAGACAAGCAGTGTGAACAGTGCTTTGAGACAAATGTCATATGGTGGAAAATTTGGTTCTT
CACCTCTGGATCAATCAGGATTTTCACCATCAGTTCAATCACACAGTCATAGTTTCAATCAGTCTTCAAG
CTCCCAGTGGCGCAAGGTACACCATCATCACAGCGTAAAGTCAGAATGAATTCTTATCCCTACCTAGCA
GATAGACATTATAGCCGGGAACAGCGTTACTGATCATGGGTCTGACCATCATTACAGAGGAAAGAGAG
ATGATTTCTTCTATGAAGACAGGAATCATGATGACTGGAGCCATGACTATGATAACAGAAGACAGTAG
TAGAGATGGAAAATGGCGCTCATCTCGACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC237047 representing NM_001286045
 Red=Cloning site Green=Tags(s)

MGAAAAEADRTL FVGNLETKVTEELL FELFHQAGPVIKVKIPKDKDGKPKQFAFVNFKHEVSVPYAMNLL
 NGIKLYGRPIKIQFRSGSSHAPQDVLSYPQHVGNSSPTSTSPSSRYERTMDNMTSSAQI IQRSSFSSPE
 NFQRQAVMNSALRQMSYGGKFGSSPLDQSGFSPSVQSHSHSFNQSSSSQWRQGTPTSSQRKVRMNSYPYLA
 DRHYSREQRYTDHGSDDHHRGKRDDFFYEDRNHDDWSDYDNRDRSSRDGKWRSSRH

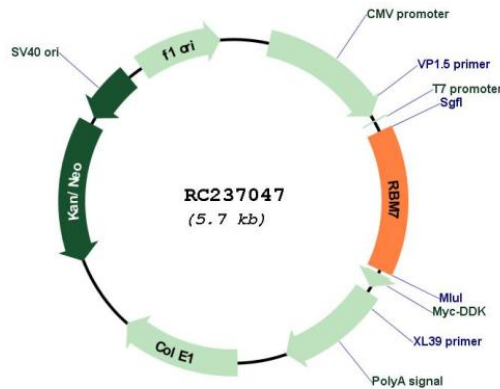
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286045

ORF Size: 801 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: | <ol style="list-style-type: none"> 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_001286045.2 |
| RefSeq Size: | 3750 bp |
| RefSeq ORF: | 804 bp |
| Locus ID: | 10179 |
| UniProt ID: | Q9Y580 |
| Cytogenetics: | 11q23.2 |
| MW: | 31 kDa |
| Gene Summary: | Subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters (PubMed:27871484). Possible involved in germ cell RNA processing and meiosis (Probable).[UniProtKB/Swiss-Prot Function] |