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Product datasheet for RC236034

RBM7 (NM_001286046) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM7 (NM_001286046) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC236034 representing NM_001286046
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATAACATGACTTCATCAGCACAGATAATTCAGAGATCTTTCTCTTCTCCAGAAAATTTTCAGAGAC
AAGCAGTGATGAACAGTGCTTTGAGACAAATGTCATATGGTGGAAAATTTGGTTCTTCACCTCTGGATCA
ATCAGGATTTTCACCATCAGTTCAATCACACAGTCATAGTTTCAATCAGTCTTCAAGCTCCCAGTGGCGC
CAAGGTACACCATCATCACAGCGTAAAGTCAGAATGAATTCTTATCCCTACCTAGCAGATAGACATTATA
GCCGGGAACAGCGTTACACTGATCATGGGTCTGACCATCATTACAGAGGAAAGAGAGATGATTTCTTCTA
TGAAGACAGGAATCATGATGACTGGAGCCATGACTATGATAACAGAAGAGACAGTAGTAGAGATGGAAAA
TGGCGCTCATCTCGACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC236034 representing NM_001286046
Red=Cloning site Green=Tags(s)

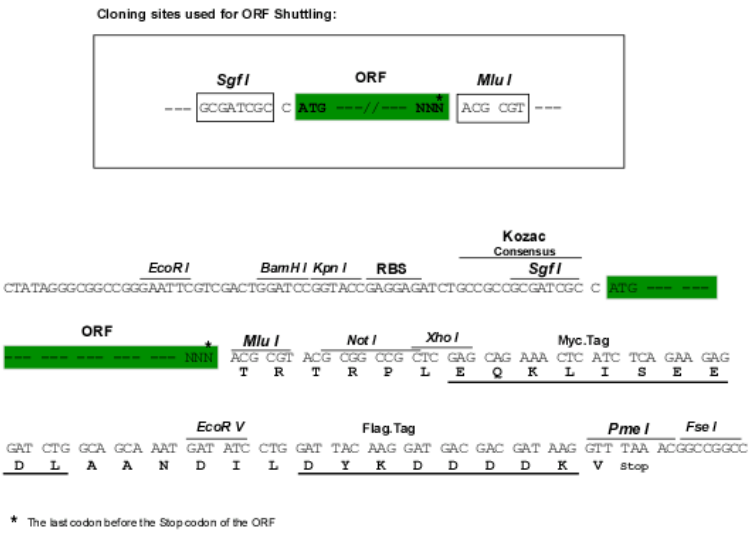
MDNMTSSAQIIQRSFSSPENFQRQAVMNSALRQMSYGGKFGSSPLDQSGFSPSVQSHSHSFNQSSSSQWR
QGTPSSQRKVRMNSYPYLADRHYSREQRYTDHGSDHHYRGKRDDFFYEDRNHDDWSHDYDNRRDSSRDGK
WRSSRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN:	NM_001286046
ORF Size:	438 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_001286046.2
RefSeq Size:	3746 bp
RefSeq ORF:	441 bp
Locus ID:	10179

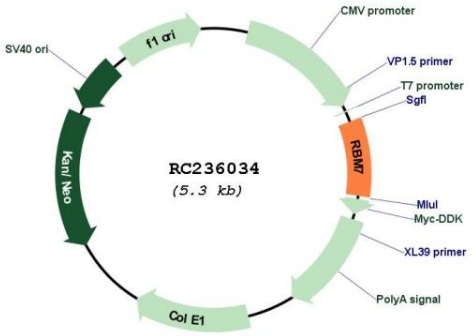
UniProt ID: Q9Y580

Cytogenetics: 11q23.2

MW: 17.7 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]

Product images:



Circular map for RC236034