

Product datasheet for **SC333928**

RBM7 (NM_001286046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM7 (NM_001286046) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333928 representing NM_001286046. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGATAACATGACTTTCATCAGCACAGATAATTCAGAGATCTTTCTTTCTCCAGAAAATTTTCAGAGA
CAAGCAGTGATGAACAGTGCTTTGAGACAAATGTCATATGGTGGAAAATTTGGTTCTTCCACCTCTGGAT
CAATCAGGATTTTACCATCAGTTCAATCACACAGTCATAGTTTCAATCAGTCTTCAAGCTCCCAGTGG
CGCCAAGGTACACCATCATCACAGCGTAAAGTCAGAATGAATTCCTATCCCTACCTAGCAGATAGACAT
TATAGCCGGGAACAGCGTTACTGATCATGGGTCTGACCATCATTACAGAGGAAAGAGAGATGATTTT
TTCTATGAAGACAGGAATCATGATGACTGGAGCCATGACTATGATAACAGAAGAGACAGTAGTAGAGAT
GGAAAATGGCGCTCATCTCGACACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286046
Insert Size:	441 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001286046.1](#)

RefSeq Size: 3746 bp

RefSeq ORF: 441 bp

Locus ID: 10179

UniProt ID: [Q9Y580](#)

Cytogenetics: 11q23.2

MW: 17.2 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]

Transcript Variant: This variant (3) uses an alternate splice site in the 5' region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus than isoform a. Variants 3, 4, and 5 encode the same isoform (c). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.