

Product datasheet for **SC334941**

RBM7 (NM_001286045) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM7 (NM_001286045) 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:	>NCBI ORF sequence for NM_001286045, the custom clone sequence may differ by one or more nucleotides

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ATGGGGGCGGCGCGCGGGAAGCGGATCGCACTCTCTTTGTGGGCAACCTTGAACGAAAGTGACCGAGG
AGCTCCTTTTCGAGCTTTCCACCAGGCTGGGCCAGTAATAAAGGTGAAAATCCAAAAGATAAGGATGG
TAAACCAAGCAGTTTGCCTTTGTGAATTTCAAACATGAAGTGTCTGTTCTTATGCAATGAATCTACTT
AATGGAATCAAACCTTTATGGAAGGCCTATCAAATTTCAATTTAGATCAGGAAGTAGTCATGCCCCACAAG
ATGTCAGTTTGCATATCCCAACATCATGTTGGAAATCAAGCCCTACCTCCACATCTCCTAGCAGCAG
GTACGAAAGGACTATGGATAACATGATCATCAGCACAGATAATTGAGAGATCTTTCTCTTCTCCAGAA
AATTTTCAGAGACAAGCAGTGATGAACAGTCTTTGAGACAAATGTCATATGGTGGAAAATTTGGTTCTT
CACCTCTGGATCAATCAGGATTTTCACCATCAGTTCAATCACACAGTCATAGTTTCAATCAGTCTTCAAG
CTCCCAGTGCGCCAAGGTACACCATCATCACAGCGTAAAGTCAGAATGAATTCTTATCCCTACCTAGCA
GATAGACATTATAGCCGGGAACAGCGTTACACTGATCATGGGTCTGACCATCATTACAGAGGAAAGAGAG
ATGATTTCTTCTATGAAGACAGGAATCATGATGACTGGAGCCATGACTATGATAACAGAAGAGACAGTAG
TAGAGATGGAAAATGGCGCTCATCTCGACACTAA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286045
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).



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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_001286045.1](#), [NP_001272974.1](#)

RefSeq Size: 3750 bp

RefSeq ORF: 804 bp

Locus ID: 10179

UniProt ID: [Q9Y580](#)

Cytogenetics: 11q23.2

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 (1) represents the longest transcript and encodes the longest isoform (a). 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.