

Product datasheet for **SC321780**

RBM7 (NM_016090) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM7 (NM_016090) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_016090.2
 CGACGCTGAGATGGGGCGGCGGCGGGAAGCGGATCGCACTCTCTTTGTGGGCAACCT
 TGAACGAAAAGTGACCGAGGAGCTCCTTTTCGAGCTTTCCACCAGGCTGGGCCAGTAAT
 AAAGGTGAAAATCCAAAAGATAAGGATGGTAAACCAAAGCAGTTTGCCTTTGTGAATTT
 CAAACATGAAGTGTCTGTTCTTATGCAATGAATCTACTTAATGGAATCAAACCTTATGG
 AAGGCCTATCAAATTTCAATTTAGATCAGGAAGTAGTCATGCCCCACAAGATGCAGTTT
 GTCATATCCCCAACATCATGTTGGAAAATCAAGCCCTACCTCCACATCTCCTAGCAGTA
 CGAAAGGACTATGGATAACATGACTTCATCAGCACAGATAATTCAGAGATCTTTCTCTTC
 TCCAGAAAATTTTCAGAGACAAGCAGTGATGAACAGTGCTTTGAGACAAAATGTCATATGG
 TGGAAAATTTGGTTCTTCACCTCTGGATCAATCAGGATTTTACCACATCAGTTCAATCACA
 CAGTCATAGTTTCAATCAGTCTTCAAGCTCCAGTGGCGCCAAGGTACACCATCATCACA
 GCGTAAAGTCAGAATGAATTCCTATCCCTACCTAGCAGATAGACATTATAGCCGGGAACA
 GCGTTACTACTGATCATGGGTCTGACCATCATTACAGAGGAAAGAGAGATGATTTCTTCTA
 TGAAGACAGGAATCATGATGACTGGAGCCATGACTATGATAACAGAAGAGACAGTAGTAG
 AGATGGAAAATGGCGCTCATCTCGACACTAACACATGTTAAAAGGACATTGTTTTATAG
 GGTCAATTTAGGCCCTTTGACTAAGTTGATATGAAAATATTTTGTGAAAACACTGTACAG
 AGCAGCTTACAAGTTGTACATTTCTTATAAAATTTTTTAAAGCTACAGTTTAAATACA
 AAATGAATTGCGTTTTATTACATTAATAACCTTTACCTCAGGGTTTTATGAAGAGGAA
 AGGGTTTTATGCAAAAAGAAAGTGCTACAATTCCTAATCATTTTAGACACTTTAGGAGGGG
 GTGAAGTTGTATGATAAAGCAGATATTTAATTTGTTATCTTTTTGTATTGCAAGAA
 ATTTCTTGCTAGTGAATCAAGAAAACATCCAGGTTGACAGTCTAAAATGGCTACTGGTAT
 TTTAGTTAATTCAAAATGAAACTTTTCAGTGATTCACCTTACTAACATTCTATTTGAGA
 AGGCTTATTGGTAAAGTTTGGGGATAAAGGCATTGCTTAACTTCTATATAATTTAGGTA
 TAAATCTGTGACATGCTCTTGAGCTTTACCCTAGTTGAACATACATGTGTAGATTACA
 CATACTGTTTCATTCTAAAATTTAGAAATTTGTTCAATAATCCCATTTGAGGTATAAGTC
 ACTCAGGAAGTTAAAATATCTCTACACGTATATTTTACATTAATAAATACAGTGTAGCA
 TAAATCCCCTTTTCAGGAAGAACAATAATGTCAGTGCATAGTTAGATAAAAATGGTAAAAT
 GTTTTACTGAAAGCATACTTTTTTGGAAAATAGATTCATGAAGCCTTTAAGTGCTGCTTC
 TGTCAGTCAAACGTTAAAACCTTAAACATTTCAAAGTGCCAGACTGTGTACAAAGACA
 CATGTAATGGAGATTGTACAGGTTGTTTTTTGTTTGAACCTTTGAAAGAGTTTAACTCT
 AACGTTTTCTAATTTTAAAATTTTAAAATCTTGTTTAACAAAAGCTTGTATTAAGATACT
 GTTTTCATTTTATTACAGAATTGTTTATAAAAAGTTCATTTGTTGAAAATTAAGGATCCTT
 TTTAATACCACAGCATTTGTAAGTCTTTTAAATATACTGAAAATATAAAAAGGAAAAA
 AA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_016090
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_016090.2](#), [NP_057174.1](#)

RefSeq Size: 2025 bp

RefSeq ORF: 801 bp

Locus ID: 10179

UniProt ID: [Q9Y580](#)

Cytogenetics: 11q23.2

Domains: RRM

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 (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (b) is shorter than 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.