

Product datasheet for **RC202621**

RBM28 (NM_018077) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM28 (NM_018077) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM28
Synonyms:	ANES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC202621 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGGCCTGACCTTATTTGTGGCCGCTCCCGCCCTCGGCCCGCAGTGAGCAGCTGGAGAACTGT
 TCAGTCAGGTGGGCGCGTGAAGCAGTGCCTTCGTGGTGAAGTGAAGGAGTAAGGCATGTCGAGGCTT
 TGGCTATGTCACCTTTTCAATGCTGGAAGATGTTCAAGGGCCCTCAAGGAGATTACCACCTTTGAAGGT
 TGCAAGATCAACGTGACTGTTGCCAAGAAAAACTGAGGAACAAGACAAAGGAAAAGGGAAAAATGAAA
 ACTCAGAGTGCCCAAAGAAGGAGCCGAAGGCTAAAAAGCCAAAGTGGCAGATAAGAAAGCCAGATTAAT
 TATTCGGAACCTGAGCTTAAAGTGTTCAGAAGATGACTTGAAGACAGTATTTGCTCAATTTGGAGCTGTC
 CTGGAAGTAAATATCCCTAGGAAACCAGATGGGAAGATGCGCGGTTTTGGTTTTGTTTCAGTTCAAAAACC
 TCCTAGAAGCAGGTAAGCTCTCAAAGGCATGAACATGAAAGAGATAAAAGGCCGGACAGTGGCTGTGGA
 TTGGGCCGTGGCAAAGGATAAATAAAGATACACAGTCTGTTTCTGCTATAGGTGAGGAAAAGAGCCAT
 GAATCTAAACATCAGGAATCAGTTAAAAAGAAGGGCAGAGAGGAAGAGGATATGGAAGAGGAAGAAAACG
 ATGATGATGACGATGATGATGATGAAGAAGATGGGGTTTTGATGATGAAGATGAAGAGGAAGAGAAAT
 AGAATCAAAGGTGACCAAGCCTGTGCAAAATTCAGAAGAGAGCAGTCAAGAGACCAGCCCTGCAAAAAGC
 AGTGATCATTCTGAGGAGGACAGTGACCTAGAGGAAAAGCGATAGTATTGATGATGGAGAGGAACTGGCTC
 AGAGTGATACCAGCACTGAGGAGCAAGAGGATAAAGCTGTGCAAGTCTCAAACAAAAAGAAGAGGAAAT
 ACCCTCTGATGTGAATGAAGGAAAACTGTTTTATCAGAAATCTGTCTTTGACTCAGAAGAAGAAGAA
 CTTGGGGAGCTTCTCAAACAGTTTGGGAACTCAATATGTCCGCATTGTCTTGCATCCAGACACAGAGC
 ATTCTAAAGTTGTGCATTTGCCAGTTCATGACTCAAGAAGCAGCTCAGAAATGCCTTCTAGCTGCTTC
 TCCAGAGAATGAGGCTGGTGGGCTTAAACTGGATGGCCGGCAGCTCAAGGTTGACTTGGCCGTGACCCGT
 GATGAGGCTGCAAAGCTCAGACGACGAAGGTGAAGAAGCCGACTGGCACCCGGAATCTCTATCTGGCCC
 GAGAAGGCTTGATTCGTGCTGGGACGAAGGCTGCAGAGGGTGTGAGTGTCTGATATGGCCAAAAGAGA
 ACGGTTTGAGCTGCTGAAGCATCAGAACTCAAGGACCAGAATATCTTTGTCTCCCGAACCAGGCTCTGC
 CTGCACAATCTCCAAAGGCTGTAGATGACAAACAGCTCAGAAAGCTGCTGCTGAGTGTACTAGTGGAG
 AGAAAGGGGTGCGCATCAAGGAGTGTAGAGTGTGCGAGACCTCAAAGGAGTTCATGGGAACATGAAGGG
 TCAGTCCCTGGGCTACGCCTTTGCGGAGTTCGAAGAGCACGAGCATGCCCTGAAAGCCCTCCGCCTCATC
 AACAACAATCCAGAAATCTTTGGCCCTGGAAGAGACCAATAGTGGAGTCTCTTTAGAAGATCGAAGAA
 AACTTAAATGAAGGAATTAAGGATCCAGCGCAGCTTGCAAAAAATGAGATCCAAGCCTGCAACTGGTGA
 GCCTCAGAAGGGCAACCAGAGCCTGCAAAAGACCAGAACAGAAGGCAGCTCAACACCACAGAGGAA
 CAAAGCAAGGTGCCCCAGAGCAGAAGAGAAAGGCGGGCTCTACCTCATGGACCGGGTCCAGACCAAGG
 CTGAAGTGGAGCAGGTGGAGCTGCCTGATGGAAAGAAGAGAAGAAAGGTCTGGCGCTCCCTCACACCG
 AGGCCCAAAATCAGGTTGCGGGACAAAGGCAAGTGAAGCCGTCCATCCCAAAAAGCCAAAGCCACAG
 ATAAACCAGTGAAGCAGGAGAAGCAGCAATTATCGTCCGAGCAGGTATCTAGGAAAAAGCTAAGGGAA
 ATAAAGCGAAACCCGCTTCAACCAGCTGGTGAACAATATAAGCAGAAATATTGGGACCTTCTAAAGG
 AGCACCTTTGCAAAGAGGAGCAATGGTTTGATAGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202621 protein sequence
 Red=Cloning site Green=Tags(s)

MAGLTLFVGRLLPPSARSEQLEELFSQVGPVKQCFVVTEKGSKACRFGYVTFSMLEDVQRALKEITTFEG
 CKINVTVAKKLRNKTKEKGNENSECPKKEPKAKKAVADKKARLIIRNLSFKCSEDDLKTVFAQFGAV
 LEVNIIPRKPDKMRGFGFVQFKNLLEAGKALGMMNKEIKGRTVAVDWAVAKDKYKDTQSVSAIGEEKSH
 ESKHQESVKKKGREEEDMEEEEENDDDDDDDEEDGVFDDDEEEEEENIESKVTKPVQIQKRAVKRPAPAKS
 SDHSEEDSDLEESDSDIDGEEEAQSDTSTEEQEDKAVQVSNKKRKLPSDVNEGKTVFIRNLSFDSEEEE
 LGELLQQFGELKYVRIVLHPDTEHSGCAFAQFMTQEAQAQKCLLAASPENEAGGLKLDGRQLKVDLAVTR
 DEAAKLQTTKVKKPTGTRNLYLAREGLIRAGTKAAEGVSAADMAKRERFELLKHQKLDQNI FVSRTRLC
 LHNLPKAVDDKQLRLLLLSATSGEKGVRIKCRVMRDLKGVHGNMKGQSLGYAF AEFQEHEHALKALRLI
 NNNPEIFGPKRPIVEFSLDDRRLKMKELRIQRSLQKMRSPATGEPQKGPPEAKDQQQKAAQHHTTE
 QSKVPPEQKRKAGSTSWTGFQTKAEVEQVELPDGKKRRKVLALPSHRGPKIRLDRDKGKVPVHPKPKPKQ
 INQWKQEKQQLSSEQVSRKKAKGNKTETRFNQLVEQYKQKLLGPSKGAPLAKRSKWFDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6203_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_018077

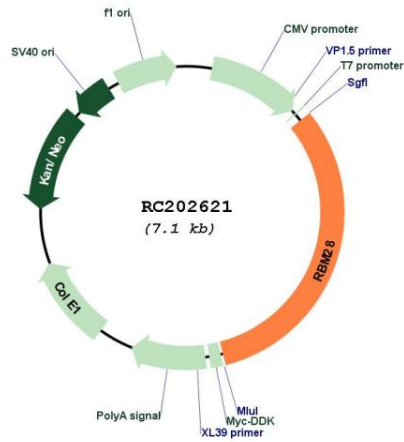
ORF Size: 2277 bp

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](#)

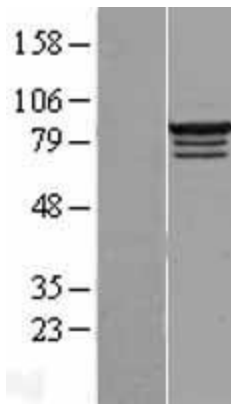
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018077.3
RefSeq Size:	2823 bp
RefSeq ORF:	2280 bp
Locus ID:	55131
UniProt ID:	Q9NW13
Cytogenetics:	7q32.1
Domains:	RRM
MW:	85.7 kDa
Gene Summary:	The protein encoded by this gene is a specific nucleolar component of the spliceosomal small nuclear ribonucleoprotein (snRNP) complexes . It specifically associates with U1, U2, U4, U5, and U6 small nuclear RNAs (snRNAs), possibly coordinating their transition through the nucleolus. Mutation in this gene causes alopecia, progressive neurological defects, and endocrinopathy (ANE syndrome), a pleiotropic and clinically heterogeneous disorder. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RC202621



Western blot validation of overexpression lysate (Cat# [LY402646]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202621 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).