OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG202621

RBM28 (NM_018077) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RBM28
Synonyms:	ANES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG202621 representing NM_018077
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGGCCTGACCTTATTTGTGGGCCGCCTCCCGCCCTCGGCCCGCAGTGAGCAGCTGGAGGAACTGT
TCAGTCAGGTGGGGCCGGTGAAGCAGTGCTTCGTGGTGACTGAAAAAGGGAGTAAGGCATGTCGAGGCTT
TGGCTATGTCACTTTTTCAATGCTGGAAGATGTTCAGAGGGCCCTCAAGGAGATTACCACCTTTGAAGGT
TGCAAGATCAACGTGACTGTTGCCAAGAAAAAACTGAGGAACAAGACAAAGGAAAAGGGGAAAAATGAAA
ACTCAGAGTGCCCAAAGAAGGAGCCGAAGGCTAAAAAAGCCAAAGTGGCAGATAAGAAAGCCAGATTAAT
TATTCGGAACCTGAGCTTTAAGTGTTCAGAAGATGACTTGAAGACAGTATTTGCTCAATTTGGAGCTGTC
CTGGAAGTAAATATCCCTAGGAAACCAGATGGGAAGATGCGCGGTTTTGGTTTTGTTCAGTTCAAAAACC
TCCTAGAAGCAGGTAAAGCTCTCAAAGGCATGAACATGAAAGAGATAAAAGGCCGGACAGTGGCTGTGGA
TTGGGCCGTGGCAAAGGATAAATATAAAGATACACAGTCTGTTTCTGCTATAGGTGAGGAAAAGAGCCAT
GAATCTAAACATCAGGAATCAGTTAAAAAGAAGGGCAGAGAGGAAGAGGATATGGAAGAGGAAGAAAACG
ATGATGATGACGATGATGATGATGAAGAAGATGGGGTTTTTGATGATGAAGATGAAGAGGAAGAGAATAT
AGAATCAAAGGTGACCAAGCCTGTGCAAATTCAGAAGAGAGCAGTCAAGAGACCAGCCCCTGCAAAAAGC
AGTGATCATTCTGAGGAGGACAGTGACCTAGAGGAAAGCGATAGTATTGATGATGGAGAGGAACTGGCTC
AGAGTGATACCAGCACTGAGGAGCAAGAGGATAAAGCTGTGCAAGTCTCAAACAAAAAGAAGAGGAAATT
ACCCTCTGATGTGAATGAAGGGAAAACTGTTTTTATCAGAAATCTGTCCTTTGACTCAGAAGAAGAAGAA
CTTGGGGAGCTTCTCCAACAGTTTGGAGAACTCAAATATGTCCGCATTGTCTTGCATCCAGACACAGAGC
ATTCTAAAGGTTGTGCATTTGCCCAGTTCATGACTCAAGAAGCAGCTCAGAAATGCCTTCTAGCTGCTTC
TCCAGAGAATGAGGCTGGTGGGCTTAAACTGGATGGCCGGCAGCTCAAGGTTGACTTGGCGGTGACCCGT
GATGAGGCTGCAAAGCTTCAGACGACGAAGGTGAAGAAGCCGACTGGCACCCGGAATCTCTATCTGGCCC
GAGAAGGCTTGATTCGTGCTGGGACGAAGGCTGCAGAGGGTGTGAGTGCTGCTGATATGGCCAAAAGAGA
ACGGTTTGAGCTGCTGAAGCATCAGAAACTCAAGGACCAGAATATCTTTGTCTCCCGAACCAGGCTCTGC
CTGCACAATCTCCCAAAGGCTGTAGATGACAAACAGCTCAGAAAGCTGCTGCTGAGTGCTACTAGTGGAG
AGAAAGGGGTGCGCATCAAGGAGTGTAGAGTGATGCGAGACCTCAAAGGAGTTCATGGGAACATGAAGGG
TCAGTCCCTGGGCTACGCCTTTGCGGAGTTCCAAGAGCACGAGCATGCCCTGAAAGCCCTCCGCCTCATC
AACAACAATCCAGAAATCTTTGGGCCTCTGAAGAGACCAATAGTGGAGTTCTCTTTAGAAGATCGAAGAA
AACTTAAAATGAAGGAATTAAGGATCCAGCGCAGCTTGCAAAAAATGAGATCCAAGCCTGCAACTGGTGA
GCCTCAGAAGGGGCAACCAGAGCCTGCAAAAGACCAGCAACAGAAGGCAGCTCAACACCACACAGAGGAA
CAAAGCAAGGTGCCCCCAGAGCAGAAGAGAAAGGCGGGCTCTACCTCATGGACCGGGTTCCAGACCAAGG
CTGAAGTGGAGCAGGTGGAGCTGCCTGATGGAAAGAAGAGAAGAAAGGTCCTGGCGCTCCCCTCACACCG
AGGCCCCAAAATCAGGTTGCGGGACAAAGGCAAAGTGAAGCCCGTCCATCCCAAAAAGCCAAAGCCACAG
ATAAACCAGTGGAAGCAGGAGAAGCAGCAATTATCGTCCGAGCAGGTATCTAGGAAAAAAGCTAAGGGAA
ATAAGACGGAAACCCGCTTCAACCAGCTGGTCGAACAATATAAGCAGAAATTATTGGGACCTTCTAAAGG
AGCACCTCTTGCAAAGAGGAGCAAATGGTTTGATAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

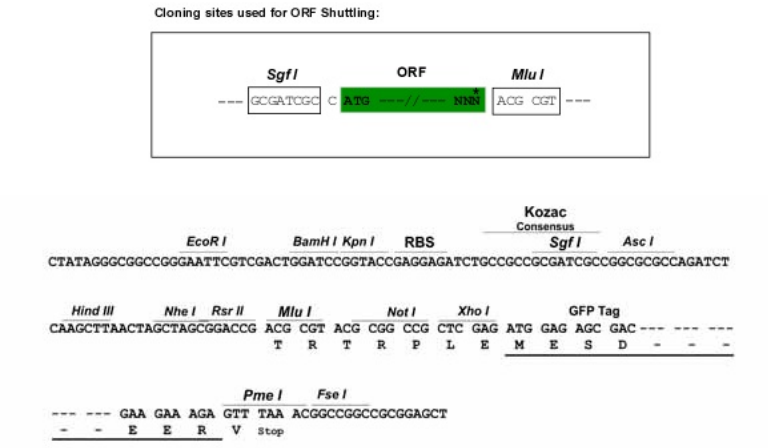
>RG202621 representing NM_018077
Red=Cloning site Green=Tags(s)

MAGLTLFVGRLPPSARSEQLEELFSQVGPVKQCFVVTEKGSKACRGFGYVTFSMLEDVQRALKEITTFEG
CKINVTVAKKKLRNKTKEKGKNENSECPKKEPKAKKAKVADKKARLIIRNLSFKCSEDDLKTVFAQFGAV
LEVNIPRKPDGKMRGFGFVQFKNLLEAGKALKGMNMKEIKGRTVAVDWAVAKDKYKDTQSVSAIGEEKSH
ESKHQESVKKKGREEEDMEEEENDDDDDDDEEDGVFDDEDEEEENIESKVTKPVQIQKRAVKRPAPAKS
SDHSEEDSDLEESDSIDDGEELAQSDTSTEEQEDKAVQVSNKKKRKLPSDVNEGKTVFIRNLSFDSEEEE
LGELLQQFGELKYVRIVLHPDTEHSKGCAFAQFMTQEAAQKCLLAASPENEAGGLKLDGRQLKVDLAVTR
DEAAKLQTTKVKKPTGTRNLYLAREGLIRAGTKAAEGVSAADMAKRERFELLKHQKLKDQNIFVSRTRLC
LHNLPKAVDDKQLRKLLLSATSGEKGVRIKECRVMRDLKGVHGNMKGQSLGYAFAEFQEHEHALKALRLI
NNNPEIFGPLKRPIVEFSLEDRRKLKMKELRIQRSLQKMRSKPATGEPQKGQPEPAKDQQQKAAQHHTEE
QSKVPPEQKRKAGSTSWTGFQTKAEVEQVELPDGKKRRKVLALPSHRGPKIRLRDKGKVKPVHPKKPKPQ
INQWKQEKQQLSSEQVSRKKAKGNKTETRFNQLVEQYKQKLLGPSKGAPLAKRSKWFDS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018077

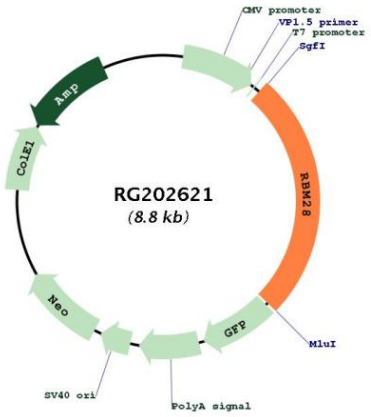
ORF Size: 2277 bp

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:	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:	2809 bp
RefSeq ORF:	2280 bp
Locus ID:	55131
UniProt ID:	Q9NW13
Cytogenetics:	7q32.1
Domains:	RRM
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 RG202621