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Product datasheet for SC326360

RBM20 (NM_001134363) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM20 (NM_001134363) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC326360 representing NM_001134363.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGCTGGCAGCAGCCATGAGCCAGGACGCGGACCCCAGCGGTCCGGAGCAGCCGGACAGAGTTGCC
TGCAGTGTGCCTGGTGCCCGGGCGTCCCCGGCACCCTCCGGCCCGCGAGGGATGCAGCAGCCGCCGCCG
CCGCCCCAGCCACCGCCCCCGCCCCAAGCCGGCCTACCCCAGATCATCCAAAATGCCGCCAAGCTCCTG
GACAAGAACCCATTCTCGGTCAGTAACCCGAACCCTCTGCTTCCTTCACCTGCCAGTCTCCAGCTGGCT
CAACTGCAGGCCCAGCTCACCCTCCACCGGCTGAAGCTGGCACAGACAGCTGTCACCAACAACACTGCA
GCCGCCACAGTCCTGAACCAAGTCCTCTCCAAAGTGGCCATGTCCCAGCCTCTCTTCAATCAACTGAGG
CATCCGTCTGTGATCACTGGCCCCCACGGCCATGCTGGGGTTCCCCAACATGCTGCAGCCATACCCAGT
ACCCGGTTTCCCTCTAATGCAATTGCCTTTTCACCCCCCAGCCAGACACGAGGCCCCGGACCCTCCATG
AACCTTCCCAACCAGCCACCCAGTGCCATGGTGATGCATCCTTTCACTGGGGTAATGCCTCAGACCCCT
GGCCAGCCAGCAGTCATCTTGGGCATTGGCAAGACTGGGCCTGCTCCAGCTACAGCAGGATTCTATGAG
TATGGCAAAGCCAGCTCTGGCCAGACATATGGCCCTGAAACAGATGGTCAGCCTGGCTTCCTGCCATCC
TCGGCCTCAACCTCGGGCAGTGTGACCTATGAAGGGCACTACAGCCACACAGGGCAGGATGGTCAAGCT
GCCTTTTCCAAAGATTTTTACGGACCCAACTCCCAAGGTTCACATGTGGCCAGCGGATTTCCAGCTGAG
CAGGCTGGGGGCCTGAAAAGTGAGGTCGGGCCACTGCTGCAGGGCACAAACAGCCAATGGGAGAGCCCC
CATGGATTCTCGGGCCAAAGCAAGCCTGATCTCACAGCAGGTCCCATGTGGCCTCCACCCCACAACCAG
CCCTATGAGCTGTACGACCCCGAGGAACCAACCTCAGACAGGACACCTCCTTCCTTCGGGGGTCGGCTT
AACAACAGCAAACAGGGTTTTATCGGTGCTGGGCGGAGGGCCAAGGAGGACCAGGCGTTGCTATCTGTG
CGGCCCCTGCAGGCTCATGAGCTGAACGACTTTCACGGTGTGGCCCCCCTCCACTTGCCGCATATCTGT
AGCATCTGTGACAAGAAGGTGTTTGATTTGAAGGACTGGGAGCTGCATGTGAAAGGGAAGCTGCACGCT
CAGAAATGCCTGGTCTTCTCTGAAAATGCTGGCATCCGGTGTATACTTGGTTCGGCAGAGGGAACATTG
TGTGCTTCTCCCAACAGCACAGCTGTTTATAACCCTGCTGGGAATGAAGATTATGCCTCAAATCTTGGA
ACATCATACGTGCCCATTCCAGCAAGGTCATTCACTCAGTCAAGCCCCACATTTCCTTTGGCTTCTGTG
GGGACAACTTTTGCACAGCGGAAAGGGGCTGGCCGTGTGGTGCACATCTGCAATCTCCCTGAAGGAAGC
TGCACTGAGAATGACGTCATTAACCTGGGGCTGCCCTTTGGAAAGGTCACTAATTACATCCTCATGAAG

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TCGACTAATCAGGCCTTTTTAGAGATGGCTTACACAGAAGCTGCACAGGCCATGGTCCAGTATTATCAA
GAAAAATCTGCTGTGATCAATGGTGAGAAGTTGCTCATTCGGATGTCCAAGAGATACAAGGAATTGCAG
CTCAAGAAACCCGGGAAGGCCGTGGCTGCCATCATCCAGGACATCCATTCCCAGAGGGAGAGGGACATG
TTCCGGGAAGCAGACAGATATGGCCCAGAAAGGCCGCGGTCTCGTAGTCCGGTGAGCCGGTCACTCTCC
CCGAGGTCCCACACTCCCAGCTTCACCTCCTGCAGCTCTTCCCACAGCCCTCCGGGCCCCTCCCGGGCT
GACTGGGGCAATGGCCGGGACTCCTGGGAGCACTCTCCCTATGCCAGGAGGGAGGAAGAGCGAGACCCG
GCTCCCTGGAGGGACAACGGAGATGACAAGAGGGACAGGATGGACCCCTGGGCACATGATCGCAAACAC
CACCCCCGGCAACTGGACAAGGCTGAGTTGGACGAGCGACCAGAAGGAGGGAGGCCCCACCGGGAGAAG
TACCCGAGATCTGGGTCTCCCAACCTGCCCCACTCTGTGTCCAGCTACAAAAGCCGTGAAGACGGCTAC
TACCGGAAAGAGCCCAAAGCCAAGTCGGACAAGTATCTGAAGCAGCAGCAGGATGCCCCCGGGAGGTCC
AGGAGGAAAGACGAGGCCAGGCTGCGGGAAAGCAGACACCCCCATCCGGATGACTCAGGCAAGGAAGAT
GGGCTGGGGCCAAAGGTCACTAGGGCCCCTGAGGGCGCCAAGGCCAAGCAGAATGAGAAAAATAAAACC
AAGAGAACTGATAGAGACCAAGAAGGAGCTGATGATAGAAAAGAAAACACAATGGCAGAGAATGAGGCT
GGAAAAGAGGAACAGGAGGGCATGGAAGAAAGCCCTCAATCAGTGGGCAGACAGGAGAAAGAAGCAGAG
TTCTCTGATCCGGAAAACACAAGGACAAAGAAGGAACAAGATTGGGAGAGTGAAAGTGAGGCAGAGGGG
GAGAGCTGGTATCCCACTAACATGGAGGAGCTGGTGACAGTGGACGAGGTTGGGGAAGAAGAAGATTTT
ATCGTGGAACCAGACATCCCAGAGCTGGAAGAAATTGTGCCCATTGACCAGAAAGACAAAATTTGCCCA
GAAACATGTCTGTGTGTGACAACCACCTTAGACTTAGACCTGGCCCAGGATTTCCCCAAGGAAGGAGTC
AAGGCCGTAGGGAATGGGGCTGCAGAAATCAGCCTCAAGTCACCCAGAGAACTGCCCTCTGCTTCCACA
AGCTGTCCCAGTGACATGGACGTGGAAATGCCTGGCCTAAATCTGGATGCTGAGCGGAAGCCAGCTGAA
AGTGAGACAGGCCTCTCCCTGGAGGATTCAGATTGCTACGAGAAGGAGGCAAAGGGAGTGGAGAGCTCA
GATGTTCATCCAGCCCCTACAGTCCAGCAAATGTCTTCCCCTAAGCCAGCAGAGGAGAGGGCCCGGCAG
CCAAGCCCATTTGTGGATGATTGCAAGACCAGGGGGACCCCCGAAGATGGGGCTTGTGAAGGCAGCCCC
CTGGAGGAGAAAGCCAGCCCCCCCATCGAAACTGACCTCCAAAACCAAGCTTGCCAAGAAGTGTTGACC
CCGGAAAACTCCAGGTACGTGGAAATGAAATCTCTGGAGGTGAGGTCACCAGAGTACACTGAAGTGGAA
CTGAAACAGCCCCTTTCTTTGCCCTCTTGGGAACCAGAGGATGTGTTCAGTGAACTTAGCATTCCTCTA
GGGGTGGAGTTCGTGGTTCCCAGGACTGGCTTTTATTGCAAGCTGTGTGGGCTGTTCTACACGAGCGAG
GAGACAGCAAAGATGAGCCACTGCCGCAGCGCTGTCCACTACAGGAACTTACAGAAATATTTGTCCCAG
CTGGCCGAGGAGGGCCTCAAGGAGACCGAGGGGGCAGATAGCCCGAGGCCAGAGGACAGCGGAATCGTG
CCACGCTTCGAAAGGAAAAAGCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001134363

Insert Size: 3684 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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_001134363.2
RefSeq Size:	7269 bp
RefSeq ORF:	3684 bp
Locus ID:	282996
UniProt ID:	Q5T481
Cytogenetics:	10q25.2
MW:	134.3 kDa
Gene Summary:	This gene encodes a protein that binds RNA and regulates splicing. Mutations in this gene have been associated with familial dilated cardiomyopathy. [provided by RefSeq, Apr 2014]