

Product datasheet for RC226826

RBM24 (NM_001143942) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

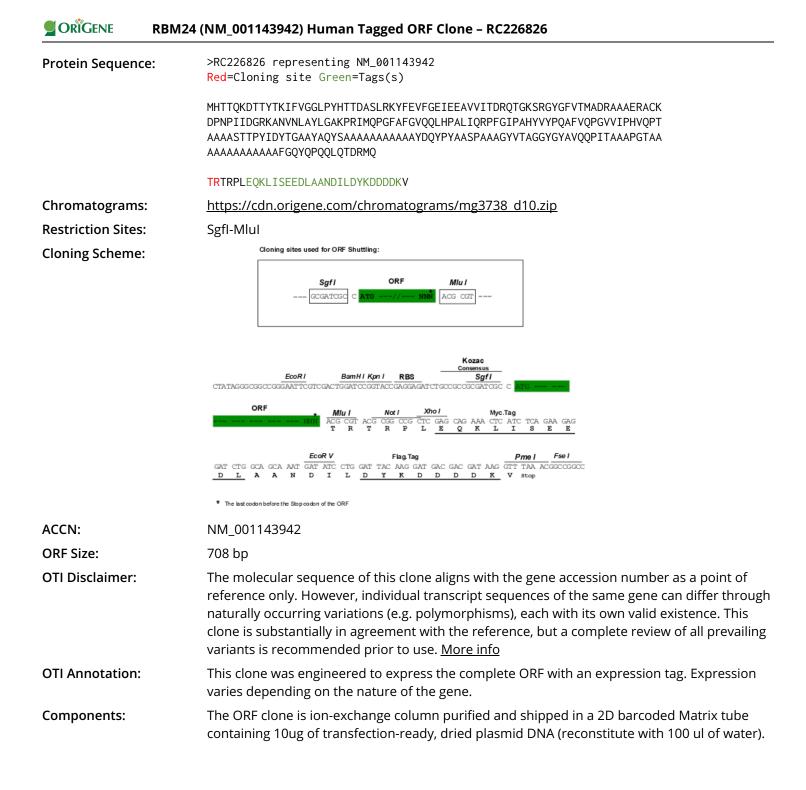
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	RBM24 (NM_001143942) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM24
Synonyms:	dJ259A10.1; RNPC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC226826 representing NM_001143942 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA**



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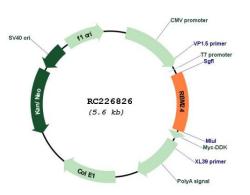
PORIGENE RBM24 (NM_001143942) Human Tagged ORF Clone - RC226826

Note:Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.RefSeq:M.001143942.2RefSeq ORF:711 bpLocus ID:221662UniPort ID:0.92X46Cytogenetics:6p22.3Protein Families:Druggable GenomeMW:24.6 kDaGene Summary:Multifunctional RNA-binding protein involved in the regulation of pre-mRNA splicing, mRNA stability and mRNA translation important for cell fate decision and differentiation (PubMed:20977548, PubMed:24375645, PubMed:23358667, PubMed:29104163). Plays a major role in pre-mRNA alternative splicing regulation (PubMed:2690106, PubMed:29104163). Mediates preferentially muscle-specific exon inclusion in numerous mRNAs important for striated cardiac and skeletal muscle cell differentiation (PubMed:209104163). Binds to intronic splicing enhancer (ISE) composed of stretches of GU- rich motifs localized in flanking intron of exon that will be included by alternative splicing genual cardiac and skeletal muscle cell differentiation by promoting pre-mRNA alternative splicing enhancer (ISE) composed of stretches of GU- rich motifs localized in flanking intron of exon that will be included by alternative splicing (By similarity). Involved in embryonic stem cell (ISC) transition to cardiac cell differentiation genes (PubMed:20977548, PubMed:24356969, PubMed:24375645, PubMed:29104163). Binds to 3- untranslated region (UTR) AU-rich elements in target transcripts, such as CDKN1A and MYOG, leading to maintain their stabilities (PubMed:20977548, PubMed:24356969). Involved in myogenic differentiation by regulating MYOG levels (PubMed:2097548, Binds to multiple regions in the mRNA 3' UTR of TP63 Isoform 2, hence inducing its destabilization (PubMed:24375645). Pr	Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Refse711 bpLocus ID:221662UniProt ID:09BX46Cytogenetics:6p22.3Protein Families:Druggable GenomeMW:24.6 kDaGene Summary:Multifunctional RNA-binding protein involved in the regulation of pre-mRNA splicing, mRNA stability and mRNA translation important for cell fate decision and differentiation (PubMed:20977548, PubMed:24375645, PubMed:29358667, PubMed:29104163). Plays a major role in pre-mRNA alternative splicing regulation (PubMed:26990106, PubMed:29104163). Mediates preferentially muscle-specific exon inclusion in numerous mRNAs important for striated cardiac and skeletal muscle cell differentiation (PubMed:29104163). Binds to intronic splicing enhancer (ISE) composed of stretches of GU- rich motifs localized in flanking intron of exon that will be included by alternative splicing (By similarity). Involved in embryonic stem cell (ESC) transition to cardiac cell differentiation genes (PubMed:26990106). Plays a role in the regulation of mRNA stability (PubMed:20977548, PubMed:24356969, PubMed:24375645, PubMed:2435665), Binds to a'- untranslated region (UTR) AU-rich elements in target transcripts, such as CDKIN1A and MYOG, leading to maintain their stabilities (PubMed:20977548, PubMed:24356645, PubMed:24356659). Involved in myogenic differentiation by regulating MYOG levels (PubMed:2435669). Involved in myogenic differentiation by regulating MYOG levels (PubM	Note:	
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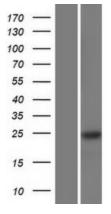
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Product images:



Circular map for RC226826



Western blot validation of overexpression lysate (Cat# [LY428414]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226826 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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