

Product datasheet for MR206662

Rbm22 (NM_025776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm22 (NM_025776) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbm22
Synonyms:	8430430L24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206662 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACTTCTCTGGGTTCCAACACCTACAACAGGCAGAACTGGGAGGACGCGGACTTCCCATTCTGT
GTCAGACGTGTCTTGGAGAAAACCTTATATACGAATGACCAAAGAAAAATGGAAAAGAAATGCAAAAT
CTGTGCCAGGCCATTACAGTGTTCGCTGGTGCCTGGGGTCCGCATGCGCTTCAAGAAGACTGAAGTG
TGCCAAACCTGCAGTAAATTGAAGAATGTTTGTGACAGCTGCCTGTTAGACCTTGAATATGGCCTACCCA
TCCAGGTTTCGTGATGCAGGATTATCATTAAAGATGACATGCCTAAGTCAGATGTCAATAAAGAATATTA
CACCCAAAATATGGAAAGAGAAATTTCTAACTCTGATGGAACACGACCAGTTGGGATGCTAGGAAAAGCA
ACATCCACCAGTGACATGCTCCTCAAGTTGGCCCGGACCACACCTACTACAAAAGGAATCGGCCCCACA
TTTGTTCCTTTGGGTGAAAGGAGAGTGTAAAGAGAGGAGAGGAGTGCCCATACAGACATGAGAAGCCTAC
CGACCCAGACGACCCTCTTGCTGATCAGAATATCAAAGACCGGTACTATGGAATCAACGACCCCGTGGCT
GACAAGCTTCTAAAGCGGGCCTCGACCATGCCCGCCTGGACCCACCGGAGGATAAGACCATTACACCC
TGACGTCGGCGGTCTGGGAGACACCATCACCGAACAGATCTCAGAAATCATTTCTACCAGTTTGGAGA
GAGGTAGCCGCTGAGAAGTCTTTAACAAGCTGATCGTGAATGGCCGGAGGCTCAATGTCAAGTGGGGAA
GATCCCAAGCAGCCAGAGGCAAAGAAAAAGAGAAGGATGGAACACAGACTCTGGGATCAAGTAGAACCC
TGTGCCAGGACTGCCTGGAGCTTGCCCTCCACCTCCTGCAGCAGAAGAGGAGGCTGTGCCAACTACTTC
AACCTGCCCCCAAGTGGTCTCCAGCAGTGGTGAACATTGCCCTGCCCCACCCCTGGGATCGCCCCAC
CGCCACCCAGGTTTGGACCACATGTTCCACCCATGGGACCACCCCTCTTTTCATGAGGGCTCC
AGGACCAATCCACTACCTTCTCAGGACCTCAGAGAATGGGTGCTCATGCAGGAAAACACAGCAGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206662 protein sequence
Red=Cloning site Green=Tags(s)

MATSLGSNTYNRQNWEDADFPILCQTCLGENPYIRMTKEKYGKECKICARPFTVFRWCPGVRMRFKKTEV
 CQTCSKLNVCQTCLLDLEYGLPIQVRDAGLSFKDDMPKSDVNKEYYTQNMEREISNSDGTTRPVGMLGKA
 TSTDMLLKLARTTPYYKRNRPHICSFVWKGCEKRGEECPYRHEKPTDPDPLADQNIKDRYYGINDPVA
 DKLLKRASMPRLDPPEDKTITTLVVGGLGDTITETDLRNHFYQFGEIRITVTVQRQQCAFIQFATRQAA
 EVAAEKSFNKLIVNGRRLLNVKWGRSQAARGKEKEKDGTDTDSGIKLEPVPGLPGALPPPPAAEEEEASANYF
 NLPPSGPPAVVNIALPPPPGIAPPPPGFGPHMFHPMPPPPFMRAPGPIHYPSQDPQRMGAHAGKHSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025776

ORF Size: 1263 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.

RefSeq: [NM_025776.2](#)

RefSeq Size: 2079 bp

RefSeq ORF: 1263 bp

Locus ID: 66810

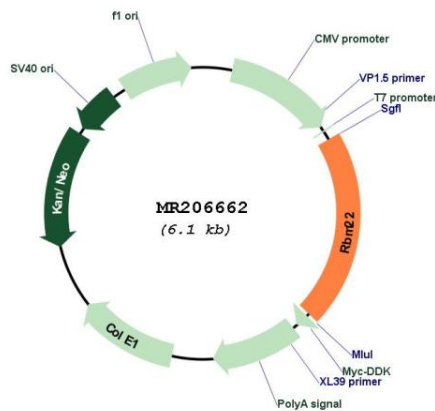
UniProt ID: [Q8BHS3](#)

Cytogenetics: 18 D3

MW: 46.9 kDa

Gene Summary: Required for pre-mRNA splicing as component of the activated spliceosome. Involved in the first step of pre-mRNA splicing. Binds directly to the internal stem-loop (ISL) domain of the U6 snRNA and to the pre-mRNA intron near the 5' splice site during the activation and catalytic phases of the spliceosome cycle. Involved in both translocations of the nuclear SLU7 to the cytoplasm and the cytosolic calcium-binding protein PDCD6 to the nucleus upon cellular stress responses.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206662