

Product datasheet for **RC200138**

RBM23 (NM_018107) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM23 (NM_018107) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM23
Synonyms:	CAPERbeta; PP239; RNPC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC200138 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCATCTGATGACTTTGACATAGTGATTGAGGCCATGCTGGAAGCTCCCTATAAAAAAGAAGAGGATG
 AGCAACAAAGGAAAGAAGTTAAAAAGGATTATCCTAGCAATACCAACAGCAGCACCAGCAACAGTGGCAA
 TGAGACCAGTGGAGCAGCACCATCGGGGAGACAAGCAATCGTAGTCGAGATCGGGATCGGTATAGACGG
 AGAAATAGTCGGAGCCGAAGTCCAGGTCGGCAGTGTCTGACCGTAGCCGTAGCTGGGATCGTCGACATG
 GTAGTGAGTCGCGAAGTCGGGACCATCGTCGTGAGGATCGTGTGCATTACAGGAGTCCTCCACTTGCCAC
 TGGTTATAGATATGGACACAGTAAGAGTCCTCATTTAGAGAGAAGAGCCAGTCAGGGAGCCAGTTGAT
 AATCTGAGTCCTGAGGAGCGTATGCCCGCACAGTTTTCTGTATGCAGTAGCTGCCGAATTCGGCCTC
 GAGATCTGGAGGACTTTTTCTCTGCTGTAGGCAAGGTTCCGATGTACGTATCATTTAGATCGGAACTC
 ACGTCGTTCTAAGGGCATTGCCTACGTGGAATTCGTGAAATCCAGTCTGTGCCACTGGCCATTGGGCTG
 ACTGGGCAGCGGTTGCTGGGAGTGCCTATCATTGTACAGGCTTACAGGCAGAGAAAAACCGACTGGCAG
 CCATGGCCAACAACCTGCAAAAGGGCAATGGTGGACCAATGCGCCTCTATGTGGGTTCCCTGCACCTCAA
 TATCACTGAAGACATGCTCCGGGCATCTTTGAGCCCTTTGGTAAATTTGATAATATTGTCTGATGAAG
 GACTCAGATACAGGCCGCTCTAAAGGTTATGGTTTCATCACGTTCTCTGATTCTGAGTGTGCCCGCGGG
 CCCTGGAACAGTTGAATGGGTTTGAGCTTGCTGGTCGACCTATGAGGGTTGGCCATGTGACTGAGCGACT
 GGATGGTGGCACAGACATCACTTTCTGATGGGACCAGGAGCTGGATCTGGGATCAGCAGGTGGACGT
 TTTAGCTCATGGCAAACTGGCAGAAGGCGCTGGAATCCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG
 CCGCCGCGCGCCGAGGCTGCTGCCTTGAACCTGAATGGAGCAGTTCCTTTGGGGGCCCTGAATCCAGC
 AGCTCTGACTGCTCTGAGTCCAGCCCTGAACCTGCGCTCCAGTGTTCAGCTCTCCAGCCTCTTTACC
 CCCCAGACCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200138 protein sequence
 Red=Cloning site Green=Tags(s)

MASDDFDIVIEAMLEAPYKKEDEQQRKEVKKDYPSTTSSTNSGNETSGSSTIGETSNRSRDRDRYRR
 RNSRSRSPGRQCRHRSRSDRRHGSESRSDHREDRVHYRSPPLATGYRYGHSKSPHFREKSPVREPVD
 NLSPEERDARTVFCMQLAARIRPRDLEFFSAVGKVRDVRIISDRNSRRSKGIAYVEFCEIQSVPLAIGL
 TGQRL LGVPIIVQASQAEKNRLAAMANNLQKNGGPMRLYVGS LHFNITEDMLRGIFEPFGKIDNIVLMK
 DSDTGRSKGYGFIITFSDSECARRALEQLNGFELAGRPMRVGHVTERLDGGTDITFPDGDQELDLGSAGGR
 FQLMAKLAEGAGIQLPSTAAAAAAAAAQAALQLNGAVPLGALNPAALTALSPALNLAQCFLSSLFT
 PQTM

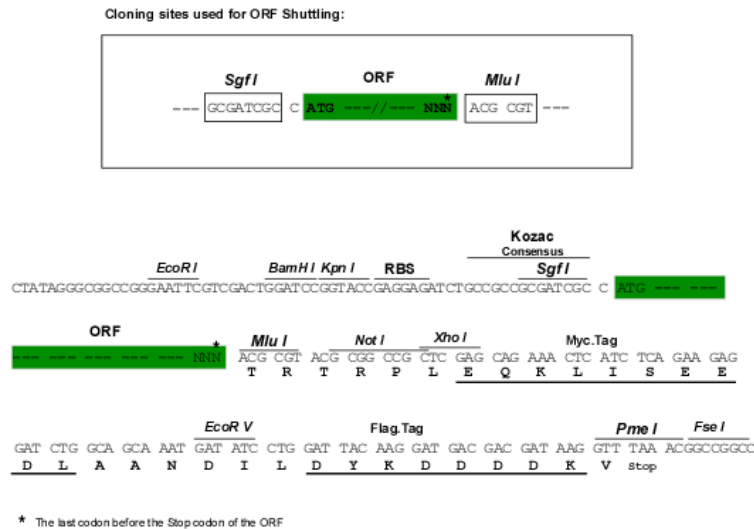
TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6400_c10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_018107

ORF Size: 1272 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_018107.3](#), [NP_060577.2](#)

RefSeq Size: 2576 bp

RefSeq ORF: 1272 bp

Locus ID: 55147

UniProt ID: [Q86U06](#)

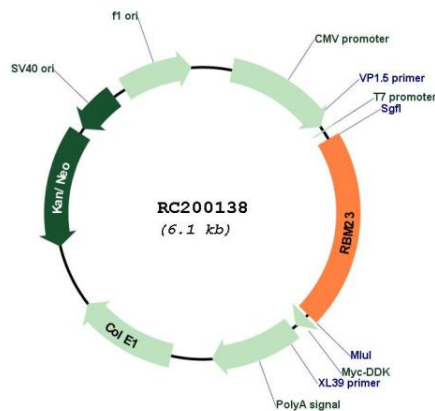
Cytogenetics: 14q11.2

Domains: RRM

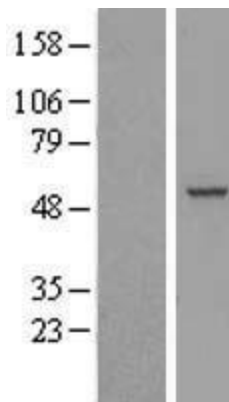
MW: 46.8 kDa

Gene Summary: This gene encodes a member of the U2AF-like family of RNA binding proteins. This protein interacts with some steroid nuclear receptors, localizes to the promoter of a steroid-responsive gene, and increases transcription of steroid-responsive transcriptional reporters in a hormone-dependent manner. It is also implicated in the steroid receptor-dependent regulation of alternative splicing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

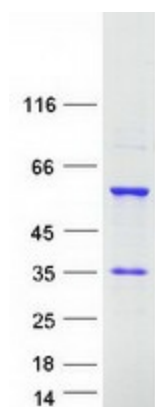
Product images:



Circular map for RC200138



Western blot validation of overexpression lysate (Cat# [LY413294]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200138 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RBM23 protein (Cat# [TP300138]). The protein was produced from HEK293T cells transfected with RBM23 cDNA clone (Cat# RC200138) using MegaTran 2.0 (Cat# [TT210002]).