

Product datasheet for **RC224348**

RBM43 (NM_198557) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RBM43
Synonyms:	C2orf38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224348 representing NM_198557
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCATCAGTTTTGAATGTCAAGGAATCCAAAGCTCCTGAAAGAACGGTTGTAGTTGCTGGTCTCCAG
TTGACCTTTTTAGTGATCAATTATTGGCCGTATTAGTGAAGAGCCACTTCCAAGACATTAAGAATGAGGG
CGGAGATGTTGAAGATGTGATATATCCGACAAGAACCAAGGGAGTTGCATATGTAATATTCAAAGAAAA
AAAGTTGCAGAGAATGTCATCAGACAAAAGAACTGGCTAGCAAGGAAGACTAGACATGCTGAACCTCA
CAGTCTCTCTCAGAGTCTCTCATTTTGGTGACAAGATCTTCAGCTCTGTAATGCCATCCTTGATCTTTC
TGTTTTTGAAAAGAAGTTACTCTAGAACTCTGGTAAAAGACCTGAAAAAAAAATCCCGAGTTTAAGC
TTCAGTCTTTGAAACCAATGGAAGAATCTCCGTGGAAGGATCATTTCTGGCTGTCAAGAGGCTCAGAG
AATCTTTGCTAGCAAGAGCATGTTCTCTTAGAAAAAGACAGAAATTTACCAGTGAGGAGAGAAAGTG
GAATAGACAAAATCCCCAGAGGAATCTACAGAGAAGTAATAACTCTTTGGCATCAGTCAGGACCTTAGTA
CCTGAGACTGCTAGAAGTGAGAAATGCTTGCTTGACACAGATGTTTTCTTTACCTGAAACACAAGT
GTGGATCTTATGAAAGCACACTGAAAAATCCACATCTGAGTCAGGAGAAAGTGGATGGTGAAATCAC
CACAATTTGTCTAAAAAGCATTCAAGTTGGTCTCAGCCAAACAATGCAAAACATGTAAGAGCTCATT
GAGGAATGGTCACATGCTCTTTACTTAAAGCTTAGAAAAGAGACATTTATTTTGAAGGAAAGGAAAAA
GAGAGAAAAGAATGATCAAAAGGGCATGTGAACAATTAAGTTTCAGATACCTTGAAGTCCTGATTAACT
TTATAGGACACACATTGACATTATAGGATCTTCTTGACACTTACCTGTTTAAAAAGGGGTCATGAA
TTAATAGGGCAAAAGGTTAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC224348 representing NM_198557
Red=Cloning site Green=Tags(s)

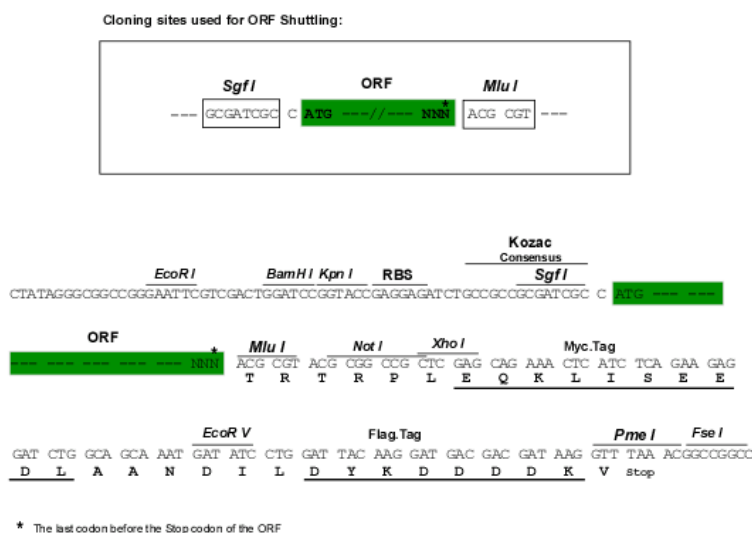
MASVLNVKESKAPERTVVVAGLPVDLFSDDLAVLVKSHFQDIKNEGDDVEDVIYPTRTKGVAIVIFKEK
 KVAENVIRQKKHHLARKTRHAELTVSLRVSHFGDKIFSSVNAIDLVSFGKEVTLETLVKDLKKKIPSL
 FSPLKPNGRISVEGSLAVKRLRESLLARACSLLEKDRNFTSEERKWNRRNQPNRLQRSNNSLASVRTLV
 PETARSGEMLVLDTDVFLYLKHKCGSYESTLKKFHILSQEKVDGEITTIKLSIQVGSQPNNAKHVKELI
 EEWSHLYLKLKRETFILEGKENREKRMIKRACEQLSSRYLEVLINLYRTHIDIIGSSSDTYLFKKGYMK
 LIGKALV

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8043_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198557

ORF Size: 1071 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_198557.3](#)

RefSeq Size: 2723 bp

RefSeq ORF: 1074 bp

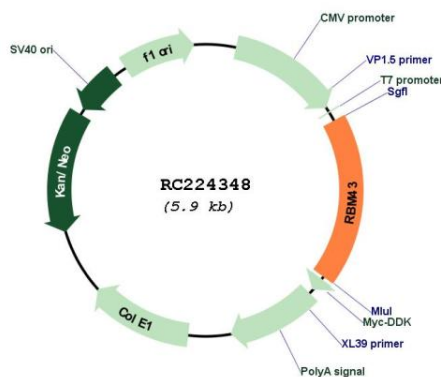
Locus ID: 375287

UniProt ID: [Q6ZSC3](#)

Cytogenetics: 2q23.3

MW: 40.5 kDa

Product images:



Circular map for RC224348