

Product datasheet for **MR230154**

Rbm46 (NM_001277170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm46 (NM_001277170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbm46
Synonyms:	EG633285; ENSMUSG00000033882; Gm761
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230154 representing NM_001277170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGAAGAAAACACTGATGGTACAAATGGATGCAGTAAAGTGCCTACTGGCACTCAGAATGAAGCCC
 CATTGCTGGCTCTCATGGAAGAACTGGCTACAACATGGTCCAAGAAAATGGGCAAGGAAATTTGGTGG
 TCCTCCTCCAGGTTGGGAAGGTCCACCTCCCCCTAGAGTTGTGAAGTTTTTGTGGAAAAATACCTCGT
 GATATGTATGAAGATGAACTGGTTCCTGTATTTGAAAGAGCTGGGAAGATATATGAATTTAGACTGATGA
 TGGAAATTTAGTGGTGAAGATAGAGGTTATGCTTTTGTGATGTATACTACTAAAGAAGAAGCCCAATTAGC
 CATCCGGATTCTTAACAATTATGAAATTCGACCAGGGAAGTTTATTGGTGTGTGTGAAGCTTGGATAAT
 TGCAGATTATTTATTGGAGCAATCCCAAAGAAAAGAAAAGGAAGAAATTTGGATGAAATGAAGAAAG
 TTACCGAAGGTGTGTGGATGTGATTGTTATCCAAGTCAACTGACAAAACCAAGAACCCTGGGTTTGC
 CTTTGTGAGTATGAGTCCACAGAGCTGCTGCTATGGCCAGGAGAAAGCTGATTCCAGGAACATTTCAA
 CTCTGGGGCCACACCATTAGGTAGATTGGGCTGATCCAGAGAAAAGTGGATGAGGAAACCATGCAAA
 GAGTTAAAGTTCTGTATGTAAGAAATCTAATGATCTCAACTACAGAGGAGACAATTAAGCAGAGTTCAG
 TAAATTCAGCCTGGCGAGTGGAGCGAGTGAAGAACTGAGAGATTATGCCTTTGTTCACTTTTTCCAC
 CGAGAAGATGCAGTGGCTGCCATGTCTGTGATGAATGGAAAGTGCATTGATGGAGCCAGTATTGAGGTAA
 CCCTGGCAAAGCCAGTAAATAAGGAAAATACTGGCGACAGCATCTTAATGGCCAGATCAGCCCCAATTC
 TGAAAACCTACTTGTATATGCTAACAAGGAAGAGAGTCACTCCAAAAGTCTAGGCAAGCCACCAACTCTC
 CCCACTCGTCTCAATGGTCAGCATAGTCCAAGCCCCCTGAGATTGAAAGATGTACTTACCCTTTTTTTC
 CTGGAAACAAAGCTGACCCCAATTAGTATGTATTCTTTAAAAATCCAATCATTTTAAATTCGACGATGCA
 TTTGGATTATTACTGCAACAAAAATAATTGGGCACCACCAGAATATTATTTATATTCAACAACCAGTGCAG
 GATGGGAAAGTACTCTTGGTGTACAAGATGTTATCCCTGCAATCGCAAATGGATCTCAGAGTTACTTCA
 TGCCAGATAAACTCTGCACAACGCTGGAGGATGCAAAGGAGCTGGCAGCTCAGTTTACACTGCTTCATT
 GGACAGGGAACACAGTCTCTTCAGCCTGGACCTGTGTAGAAGAATTTGGAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230154 representing NM_001277170
 Red=Cloning site Green=Tags(s)

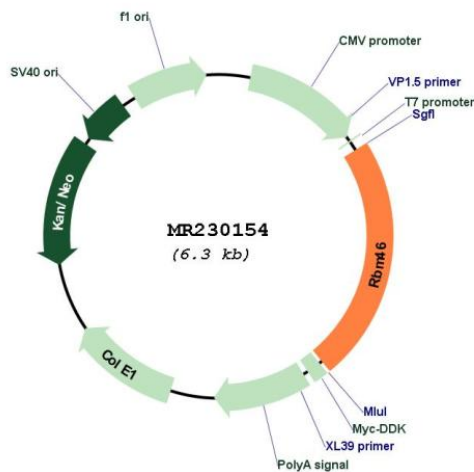
MNEENTDGTNGCSKVRTGTQNEAALLALMEKTYGYNMVQENGQRKFGPPPPGWEGPPPPRGEVFGKIPR
 DMYEDELVPVFERAGKIYEFRLMMEFSGENRGYAFVMTTKEEAQLAIRILNNEYIRPGKFIGVCVSLDN
 CRLFIGAIPKEKKKEEILDEMCKVTEGVVDVIVYPSATDKTKNRGFAFVEYESHRAAMARRKLIPTGFQ
 LWGHTIQVDWADPEKEVDEETMQRVKVLVYRNLMI STTEETIKA EFSKFKPGAVERVKLRDYAFVHFFH
 REDAVAAMSVMNGKCIDGASIEVTLAKPVNKENTWRQHLNGQISPENSENLLVYANKEESHKSLGKPPTL
 PTRLNGQHSPSPPEIERCTYPFFPGTKLTPISMYSLKSNHFNSAVMHLDYCNKNNWAPPEYYLYSTTSQ
 DGKVLVYKIVIPAIANGSQSYFMPDKLCTTLEDAKELAAQFTLLHLDRHSLFLSDLCRRIWRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001277170

ORF Size:

1455 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_001277170.1](#), [NP_001264099.1](#)

RefSeq Size: 3586 bp

RefSeq ORF: 1458 bp

Locus ID: 633285

Cytogenetics: 3 E3

MW: 55.7 kDa