

Product datasheet for MR205534

Rhbdd2 (NM_146002) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhbdd2 (NM_146002) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhbdd2
Synonyms:	0610011L13Rik; AI480532; Rhbdl7; Usmg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205534 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCCCCGGGCCCGCGAGTCGTTCTGGTGCTCGTGTCCCGAGGTGCCCTCCGCCACATTCTTCA
CCGCCCTGCTCTCGTGTGGTGTGGGCCCGCCTGTTCTGCTGCAGCCGCTCTGGCGCCCTCGGG
GCTGTCTGCGCTCCGAGGCCCTGCGCAACTGGCAAGTTACAGGCTGGTGACCTACATCTTCGCTCTAT
GAGAACCAGTCTCCCTGCTCTGTGGCGCCATCATCTGGCGCTTTGCTGGCAACTTCGAGAGGACCG
TGGGCACCGTCCGCCATTGCTTCTCACCTTGATCTTTACGGTCTTCTCCGCCATCATCTACCTGTCATT
TGAGTCTGTGTCCTCACTGTCTAAGCTGGGGAGGTGGAGGATGCCAGAGGGTTCACCCAGTAGCTTTC
GCCATGCTGGGAGTCACCTCGGTCCGCTCTCGCATGAGGCGGGCCCTGGTGTTCGGTGTGGTGCCTT
CCGTCTTGTGCCGTGGTGTGCTGTGTGCCTCCTGGCTCATCCCTCAGACCTCCTTCCTCAGTAACGT
CTCTGGCCTTTTGATTGGCCTGTCTATGGCCTCACCTACTGCTACTCCCTCGACCTCTCTGAGCGAGTA
GCCCTGAAGCTTGATCAGAAGTCCCCTCAGCCTCATGAGGAGGATCCCTTGTTCAGTACATCTCAG
GTTCTTCTGCCAAAGAAGAGCAGCCAGAGCCGATAGGCTGAACCCTGCACCTGGCTCCTACCCACACA
GAGTTGCCACCCTCATCTGACTCCAAGTTATCCTGTCAACCAGATGCAGCATGCCAGTGGCCAGAACTG
GCCTCCTGGCCTCCTGGCCACATGCCAGCCTACCTCCATACCCAGCCTGGTCCGGCTGTGCTATGTGC
AGAACCCTTTGGTCTAACCCTAATGCCTCCAGTGTGTACCCAGCTTCTGCAGGGACCTCCAGGGGGT
ACAGCCTCCCTCCCTATCAGCTGTCTGGCACTGTGATTACAGGGCCCTGGTACCCAGGGGCTACA
GGCTCAAGGAGTCTTCAAGGTAGCCATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205534 protein sequence
 Red=Cloning site Green=Tags(s)

MAAPGPASRFWCSCPEVPSATFFTALLSLLVSGPRLFLLQPPLAPSGLSLRSEALRNWQVYRLVITYIFVY
 ENPVSLLCGAI I IWR FAGNFERTVGTVRHCFFTLIFTVFSAI IYLSFESVSSL SKLGEVEDARGFTPVAF
 AMLGVT SVRSRMRRALVFGVVVPSVLVPWLLLCASWLIPQTSFLSNVSGLLIGLSYGLTYCYSLDLSE
 ALKLDQKFPFSLMRRIP LF KYISGSSAERRAAQSRRLNPAPGSYPTQSCHPHLTPSYPTVMQHASGQKL
 ASWPPGHMPSLPPYQPASGLCYVQNHFGPNPNASSVYPASAGTSQGVQPPSPISCPGTVYSGALGTPGAT
 GSKESSKVAMP

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_146002

ORF Size: 1086 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_146002.2](#), [NP_666114.1](#)

RefSeq Size: 4171 bp

RefSeq ORF: 1086 bp

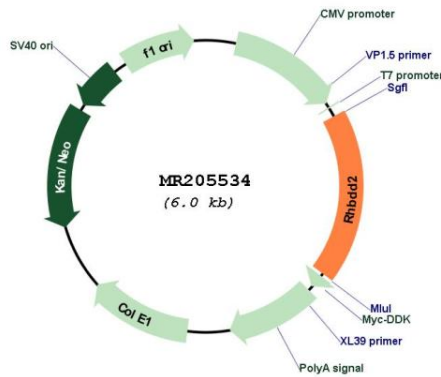
Locus ID: 215160

UniProt ID: [Q8VEK2](#)

Cytogenetics: 5 G2

MW: 39.1 kDa

Product images:



Circular map for MR205534