

Product datasheet for **MG205534**

Rhbdd2 (NM_146002) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhbdd2 (NM_146002) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rhbdd2
Synonyms: 0610011L13Rik; AI480532; Rhbdl7; Usmg1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205534 representing NM_146002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGCCCCGGGCCCGCGAGTCGTTCTGGTGCTCGTGTCCCGAGGTGCCCTCCGCCACATTCTTCA
 CCGCCCTGCTCTCGTGTGGTGTGGGCCCGCCCTGTTCTGCTGCAGCCGCTCTGGCGCCCTCGGG
 GCTGTCTGCGCTCCGAGGCCCTGCGCAACTGGCAAGTTACAGGCTGGTGACCTACATCTTCGCTAT
 GAGAACCAGTCTCCCTGCTCTGTGGCGCCATCATCTGGCGCTTTGCTGGCAACTTCGAGAGGACCG
 TGGGCACCGTCCGCCATTGCTTCTCACCTTGATCTTTACGGTCTTCTCCGCCATCATCTACCTGTCATT
 TGAGTCTGTGTCCTCACTGTCTAAGCTGGGGAGGTGGAGGATGCCAGAGGGTTCACCCAGTAGCTTTC
 GCCATGCTGGGAGTACCTCGGTCCGCTCTCGCATGAGGCGGGCCCTGGTGTTCGGTGTGGTGGTGCCTT
 CCGTCTTGTGCCGTGGTGTGCTGTGTGCCTCCTGGCTCATCCCTCAGACCTCCTTCCTCAGTAACGT
 CTCTGGCCTTTTATTGGCCTGTCTATGGCCTCACCTACTGCTACTCCCTCGACCTCTCTGAGCGAGTA
 GCCCTGAAGCTTGATCAGAAGTCCCCTCAGCCTCATGAGGAGGATCCCTTGTCAAGTACATCTCAG
 GTTCTTCTGCCAAAGAAGAGCAGCCAGAGCCGATAGGCTGAACCCTGCACCTGGCTCCTACCCACACA
 GAGTTGCCACCCTCATCTGACTCCAAGTTATCTGTCAACCAGATGCAGCATGCCAGTGGCCAGAAACTG
 GCCTCTGGCCTCTGGCCACATGCCAGCCTACCTCCATACCAGCCTGGTCCGGCCTGTGCTATGTGC
 AGAACCACTTTGGTCTAACCCTAATGCCTCCAGTGTGTACCCAGCTTCTGCAGGGACCTCCAGGGGGT
 ACAGCCTCCCTCCCTATCAGCTGCTCTGGCACTGTGATTACAGGGCCCTGGGTACCCAGGGGCTACA
 GGCTCCAAGGAGTCTTCCAAGGTAGCCATGCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205534 representing NM_146002
 Red=Cloning site Green=Tags(s)

MAAPGPASRFWCSCPEVPSATFFTALLSLLVSGPRLFLLQPPLAPSGLSLRSEALRNWQVYRLVTYIFVY
 ENPVSLLCGAI I IWR FAGNFERTVGTVRHCFFTLIFTVFSAI IYLSFESVSSLSKLGVEDARGFTPVAF
 AMLGVT SVSRMRRALVFGVVVPSVLVPWLLLCASWLIPQTSFLSNVSGLLIGLSYGLTYCYSLDLSE
 ALKLDQKFPFLMRRIPLFKYISGSSAERRAAQSRRLNPAPGSYPTQSCHPHLTPSYPTVMQHASGQKL
 ASWPPGHMPSLPPYQPASGLCYVQNHFGPNPNASSVYPASAGTSQGVQPPSPISCPGTVYSGALGTPGAT
 GSKESSKVAMP

TRTRPLE - GFP Tag - V

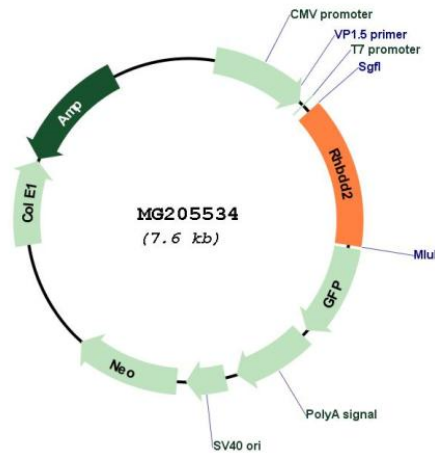
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_146002

ORF Size:	1083 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:	<ol style="list-style-type: none">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