

Product datasheet for MR205784

Rhbd11 (NM_144816) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rhbd11 (NM_144816) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Rhbd11 |
| Synonyms: | Rhbd1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR205784 representing NM_144816 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGGAGCTCGCTGCTGCAGCTCATTAGGAGCAGCAGCTGGATCCTGAGAACACAGGTTTCATCG
GTGCGGACACCTTCGCTGGTCTGGTACACAGCCATGAGCTGCCCTGGACCCACCAAGTTGGACATGTT
GGTGGCTCTGGCTCAGAGCAACGAGCGGGGCCAGGTCTGCTACCAGGAGCTGGTGGACCTGATCAGCAGC
AAGCGTCCAGCAGCTTCAAGAGAGCCATTGCTAACGGACAGCGGCACTGCCCGAGACGGACTGCTAG
ATGAGCCAGGCCGTGAGTGTCTACAAGCGGTTTGTGCGCTATGTGGCCTACGAGATCCTGCCCTGCGAGGT
GGACCGCCGCTGGTACTTCTACAGGCACCGCACCTGCCACCCCTGTGTTTCATGGCCTCGGTCACTCTT
GCCAGATCATCGTGTCTGTGCTACGGGACAGTCTCAACAAGTGGTGTCCAGACCTACCACCTG
AATATATGAAGAGCCCTCTGGTGTATCACCCAGGACACCGTGTCTCGGCAATGGCGCTTCCCTCACCTACAT
GTTTCATGCATGTGGGCTGGAGCAGCTAGGGTTCAATGCCCTCCTGCAGCTGATGATCGGTGTGCCCTG
GAGATGGTACATGGCGTGTTCGCATCAGCCTGCTCTACCTGGCGGGCGTGTGGCAGGCTCCCTGACTG
TCTCTATCACAGATATGCGTGCCCGGTGGTAGGGGCTCTGGAGGGTCTATGCCCTGTGCTCAGCACA
CCTGGCCAATGTTGTGTCATGAAGTGGGCTGGGATGCGGTGTCCATAACAAGCTGTGAGGATGGTGTGGT
CTGGTGTGCATGAGTCCGAAGTGGCCGGGCTGTGGTACGCTTCTCCCACTGCTGCTGCTGCTGCTGCT
GCCACAGCCAGCTTCATGGCACACCTGGCTGGTGCAGTGGTAGGTGTAAAGCATGGGCCTTACCATCCT
TCGGAGCTATGAGGAACGCTGAGGGACAGTGCAGGCTGGTGGTGTACTTGCCTATGGCACCTTC
CTGCTTTTCGCCATCTTCTGGAACGCTTTGCTATGACCTGCTGGTGGCGATATCCCCCTCCACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205784 representing NM_144816
Red=Cloning site Green=Tags(s)

MDRSSLLQLIQEQQLDPENTGFIGADTFAGLVHSHELPLDPTKLDMLVALAQSNERGQVCYQELVDLISS
 KRSSSFKRAIANGQRALPRDGLLDEPGLSVYKRFVRYVAYEILPCEVDRRWYFYRHRTCPPPVFMASVTL
 AQIIVFLCYGARLNKWLQTYHPEYMKSPVYHPGHRARAWRFLTYMFMHVGLEQLGFNALLQLMIGVPL
 EMVHGVLRIISLLYLAGVLAGSLTVSITDMRAPVVGSGGVYALCSAHLANVVMNWAGMRCYPYKLLRMVLA
 LVCMSSEVGRAVWLRFSPLPASGPQPSFMAHLAGAVVGVSMGLTILRSYEERLRDQCGWVVVLLAYGTF
 LLFAIFWNVFAYDLLGADIPPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_144816

ORF Size: 1119 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_144816.1](#), [NP_659065.1](#)

RefSeq Size: 1557 bp

RefSeq ORF: 1122 bp

Locus ID: 214951

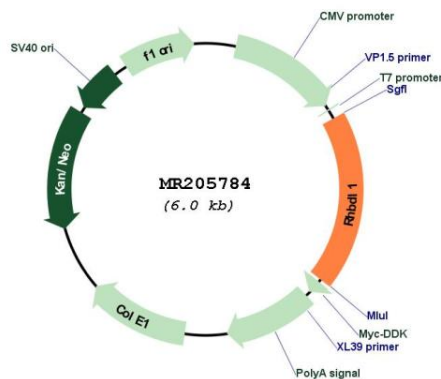
UniProt ID: [Q8VC82](#)

Cytogenetics: 17 12.93 cM

MW: 42.2 kDa

Gene Summary: May be involved in regulated intramembrane proteolysis and the subsequent release of functional polypeptides from their membrane anchors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205784