

Product datasheet for **RC219463**

RHBDD2 (NM_001040457) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHBDD2 (NM_001040457) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RHBDD2
Synonyms: NPD007; RHBDL7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC219463 representing NM_001040457
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGAGTCACCACCGTCCGTTCTCGGATGAGGCGGGCCCTGGTGTGGCATGGTTGTGCCCTCAG
TCCTGGTTCGGTGGCTCCTGCTGGGTGCCTCGTGGCTCATTCCCCAGACCTTTTCCTCAGTAATGTCTG
CGGGCTGCCATCGGGCTGGCCTATGGCCTCACCTACTGCTATTCCATCGACCTCTCAGAGCGAGTGGCA
CTGAAGCTCGATCAGACCTTCCCCTTCAGCCTGATGAGGAGGATATCCGTGTTCAAGTACGTCTCAGGGT
CTTCAGCCGAGAGGAGGGCAGCCAGAGCCGAAACTGAACCCGGTGCCTGGCTCTACCCACACAGAG
CTGCCACCCTCACCTGTCCCAAGCCACCCTGTGTCCCAGACGCAGCACGCCAGTGGTCAAGCTGGCC
TCTGGCCCTCCTGCACCCCGGGCACATGCCACCTTGCTCCGTACCAGCCTGCCTCCGGCCTGTGCT
ATGTGCAGAACCCTTTGGTCCAAACCCACCTCCTCCAGTGTCTACCCAGCTTCTGCGGGCACCTCCCT
GGGCATCCAGCCCCACGCCTGTGAACAGCCCTGGCACGGTGTATTCTGGGGCCTTGGGCACACAGGG
GCTGCAGGCTCCAAGGAGTCTCCAGGGTCCCCATGCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219463 representing NM_001040457
Red=Cloning site Green=Tags(s)

MLGVTTVRSRMRRALVFGMVVPSVLVPWLLLGASWLIPTQTSFLSNVCGLSIGLAYGLTYCYSIDLSEVA
 LKLDQTFPFLMRRISVFKYVSGSSAERRAAQSRKLNVPVPGSYPTQSCHPHLSPSHPVSQTQHASGQKLA
 SWPSCTPGHMPTLPPYQPASGLCYVQNHFGPNPTSSSVYPASAGTSLGIQPPTVNSPGTVVYSGALGTPG
 AAGSKESSRVMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001040457

ORF Size: 669 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_001040457.1](#), [NP_001035547.1](#)

RefSeq Size: 1878 bp

RefSeq ORF: 672 bp

Locus ID: 57414

UniProt ID: [Q6NTF9](#)

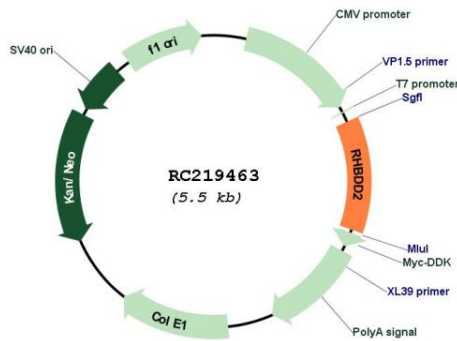
Cytogenetics: 7q11.23

Protein Families: Transmembrane

MW: 23.7 kDa

Gene Summary: The protein encoded by this gene is a member of the rhomboid family of membrane-bound proteases and is overexpressed in some breast cancers. Members of this family are involved in intramembrane proteolysis. In mouse, the orthologous protein associates with the Golgi body. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC219463