

Product datasheet for RC201105

RHBDD3 (NM_012265) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | RHBDD3 (NM_012265) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | RHBDD3 |
| Synonyms: | C22orf3; HS984G1A; PTAG |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC201105 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCATGCCAGGGGCCCCCATGGCCAAGTGTCCCAGCACTGCCTCTGGCCTCCTCAGTCTGATGCTGC
TGATGAGCACCCTGTGGCTGGTGGGGCCGGCCCGGCTGGTCTGGCCCCGGAGCTGTTGCTGGACCC
CTGGCAGGTGCACCGCTGCTGACCCATGCCCTGGGCCACACGGCCCTGCCAGGCTGCTCTGAGCCTG
CTGCTCCTGCCACTGTGGCTGGCAGCAGGAGTCCACCTGGGCAGCTGAGATTCTGCATGCCTCAG
CCCTGCTCGCCCTGGCTTCTGGCTGCTGGCAGTCTGCTGGCAGCCTTGGGCTGTCCAGTGCAGCCGG
CAGCTGTGGATACATGCCTGTCCACCTGGCCATGCTGGCTGGGGAGGGACACCGCCCTAGACGGCCCGT
GGGGCACTGCCACCGTGGCTGTCCCGTGGCTGCTGTTGCCCTGACCCCACTGCTCAGCTCTGAGCCAC
CCTTCTCGAGCTCCTTTGCGGCCTCCTTGCCGGCCTGGCCTATGCAGCTGGGGCCTTCCGGTGGCTGGA
ACCCTCAGAGCGACGGCTGCAGGTGCTGCAGGAGGGCGTCTTGTGCAGGACCTTGGCGGGTGTGGCCC
CTGAGGCTCCTTGCCACCCCGGTAGCCTGGCGGAGCTGCCTGTACCCATCCTGCCGGAGTGAGGCCTC
CCATCCCTGGACCGCCTATGTGGCTCCCCTGACCTCTGGTCCCACTGGGAAGACTCAGCCCTGCCCC
ACCAAGCTGAGGCCTGTGCAGCCACCTGGGAGGGCTCCTCAGAGGCAGGCTGGACTGGGCTGGGGCC
AGCTTCTCCCAGGGACTCCGATGTGGCGCCCTTGGATGAGCAGATGCTGCAGGAGGCATCCAGGCCT
CGCTTCTTGACGGCCAGCCAGGAACCCAGAGCGCACCATGGCTGTCCAAGTCTCTGTCTCCTCTCT
GCGGCTGCAGCAGCTGGAGCGCATGGGCTTCCCTACGGAGCAGGCGGTGGTGGCACTGGCAGCCACAGGC
CGTGTGGAGGGTGCCGTGTCACTGTTGGTTGGAGGACAAGTGGGCACTGAGACCCTGGTACCCATGGAA
AGGGTGGGCTGCCCACTCCGAGGGTCTGGGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201105 protein sequence
Red=Cloning site Green=Tags(s)

MHARGPHGQLSPALPLASSVLMMLMSTLWLVGAGPGLVLAPELLLDPWQVHRLALTHALGHTALPGLLLSL
 LLLPTVGWQQEHLGTLRFLHASALLALASGLLAVLLAGLGLSSAAGSCGYMPVHLAMLAGEGHRPRRPR
 GALPPWLSFWLLALTPLLSSEPPFLQLLCGLLAGLAYAAGAFRWLEPSERRLQVLQEGVLCRTLACGWP
 LRLLATPGSLAELPVTHPAGVRPPPIGPPYVASPDLSHWEDSALPPPSLRPVQPTWEGSSEAGLDWAGA
 SFSPGTPMWAALDEQMLQEQIQASLLDGPAPQEPQSAWLSKSSVSSLRLQQLERMGFTEQAVVALAATG
 RVEGAVSLLVGGQVGTETLVTHGKGGPAHSEGPFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6572_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_012265

ORF Size: 1158 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_012265.3](#)

RefSeq Size: 1738 bp

RefSeq ORF: 1161 bp

Locus ID: 25807

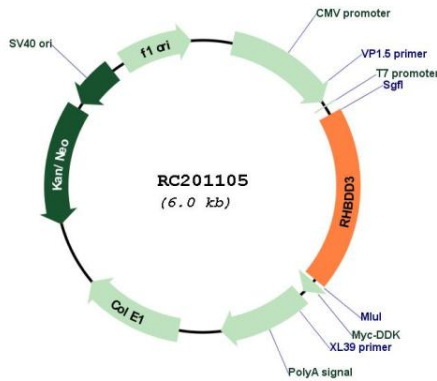
UniProt ID: [Q9Y3P4](#)

Cytogenetics: 22q12.2

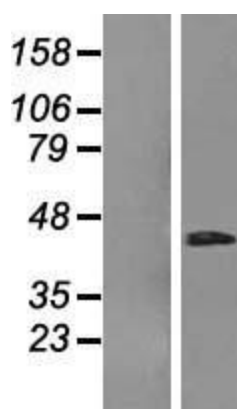
Protein Families: Druggable Genome, Transmembrane

MW: 40.5 kDa

Product images:



Circular map for RC201105



Western blot validation of overexpression lysate (Cat# [LY415869]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201105 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).