

Product datasheet for **RG219463**

RHBDD2 (NM_001040457) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHBDD2 (NM_001040457) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RHBDD2
Synonyms: NPD007; RHBDL7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219463 representing NM_001040457
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGAGTCACCACCGTCCGTTCTCGGATGAGGCGGGCCCTGGTGTGGCATGGTTGTGCCCTCAG
TCCTGGTCCGTGGCTCCTGCTGGGTGCCTCGTGGCTCATTCCCCAGACCTTTTCCTCAGTAATGTCTG
CGGGCTGCCATCGGGCTGGCCTATGGCCTCACCTACTGCTATTCCATCGACCTCTCAGAGCGAGTGGCA
CTGAAGCTCGATCAGACCTTCCCCTTCAAGCTGATGAGGAGGATATCCGTGTTCAAGTACGTCTCAGGGT
CTTCAGCCGAGAGGAGGGCAGCCAGAGCCGAACTGAACCCGGTGCCTGGCTCCTACCCACACAGAG
CTGCCACCCTCACCTGTCCCAAGCCACCCTGTGTCCAGACGCAGCACGCCAGTGGTCAAGCTGGCC
TCCTGGCCCTCCTGCACCCCGGGCACATGCCACCTTGCTCCGTACCAGCCTGCCTCCGGCCTGTGCT
ATGTGCAGAACCCTTTGGTCCAAACCCACCTCCTCCAGTGTCTACCCAGCTTCTGCGGGCACCTCCCT
GGGCATCCAGCCCCACGCCTGTGAACAGCCCTGGCACGGTGTATTCTGGGGCCTTGGGCACACAGGG
GCTGCAGGCTCCAAGGAGTCTCCAGGGTCCCCATGCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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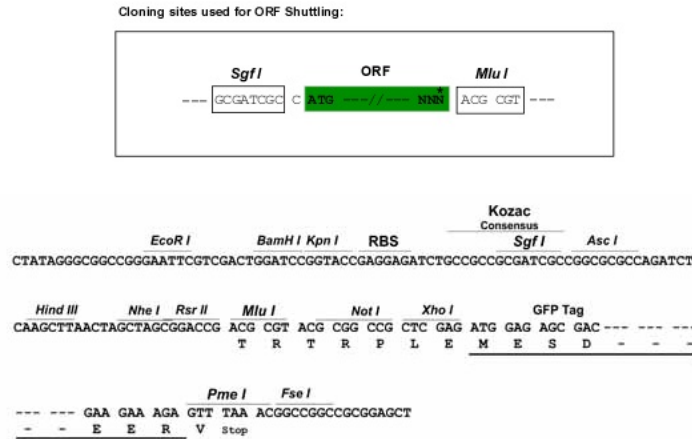
Protein Sequence: >RG219463 representing NM_001040457
Red=Cloning site Green=Tags(s)

MLGVTTVRSRMRRALVFGMVVPSVLVPWLLLGASWLIPQTSFLSNVCGLSIGLAYGLTYCYSIDL SERVA
 LKLDQTFPFLMRRISVFKYVSGSSAERRAAQSRKLNVPVPGSYPTQSCHPHLSPSHPVSTQHASGQKLA
 SWPSCPTPGHMPTLPPYQPASGLCYVQNHFGPNPTSSSVYPASAGTSLGIQPPTPVNSPGTVVYSGALGTPG
 AAGSKESSRVPMP

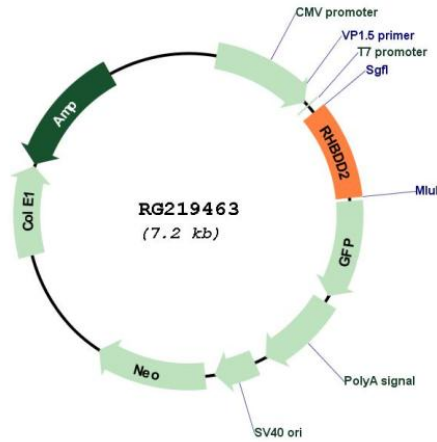
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_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
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]