

Product datasheet for **RG217290**

RHBL3 (RHBDL3) (NM_138328) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBL3 (RHBDL3) (NM_138328) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RHBL3
Synonyms:	RHBDL4; VRHO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217290 representing NM_138328 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGCGAGCACCCAGCCGGGCCCCGCGGTGGCCGCCTGCGCCGAGGCGGAGCGCATCGAGGAGCTGG
 AACCCGAGGCCGAGGAGCGGCTGCCCGCGGCGCCGAGGACCACTGGAAAGTCCTGTTTGATCAGTTTGA
 CCCTGGGAACACAGGCTACATTAGCACAGGCAAGTTCCGGAGTCTTCTGGAGAGCCACAGCTCCAAGCTG
 GACCCGCACAAAAGGGAGGTCTCCTGGCTCTTGCCGACAGCCACGCGGATGGGCAGATCGGCTACCAGG
 ATTTTGTGAGCCTAATGAGCAACAAGCGTTCCAACAGCTTCCGCCAAGCCATCCTGCAGGGCAACCGCAG
 GCTAAGCAGCAAGGCCCTGCTGGAGGAGAAGGGGCTGAGCCTCTCGCAGCGACTTATCCGCCATGTGGCC
 TATGAGACCCCTGCCCCGGGAAATTGACCGCAAGTGGTACTATGACAGCTACACCTGCTGCCCCCACCT
 GGTTTCATGATCACAGTCACGCTGCTGGAGTTGCCTTTTTCTCTACAATGGGGTGCTACTAGGTCAATT
 TGTAAGCAGGTAACATCCACGTTACTTGAAGAACTCCCTGGTTTACCACCCACAGCTGCGAGCACAG
 GTTTGGCGCTACCTGACATACATCTTCATGCATGCAGGGATAGAACACCTGGGACTCAATGTGGTGTGCTG
 AGCTGCTGGTGGGGTGCCCCCTGGAGATGGTGCATGGAGCCACCCGAATTGGGCTGTCTACGTGGCCGG
 TGTTGTGGCAGGGTCCTTGCCAGTGTCTGTGGCTGACATGACCGCTCCAGTCGTGGGCTCTTCTGGAGGG
 GTGTATGCTCTCGTCTCTGCCCATCTGGCCAACATTGTGATGAAGTGGTCAAGGATGAAGTCCAGTTCA
 AGCTGCTGCGGATGGCTGTGGCCCTTATCTGTATGAGCATGGAGTTTGGGCGGGCCGTGTGGCTCCGCTT
 CCACCCGTCGGCTATCCCCGTCGCCCTCACCCAAGCTTTGTGGCGCACTTGGGTGGCGTGGCCGTGGGC
 ATCACCTGGGCGTGGTGGTCTGAGGAACACGAGCAGAGGCTCCAGGACCACTGCTGGTGGATTT
 TTGTGGCCATGTACACCGTCTTCGTGCTGTTCGTGCTTCTGGAACATCTTGCCTACACCTGCTGGA
 CTAAAGCTGCCGCTCCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217290 representing NM_138328
 Red=Cloning site Green=Tags(s)

MGEHPSGPAVAACAEAEERIEELEPEAEERLPAAPEDHWKVLFDQFDPGNTGYISTGKFRSLLESHSSKL
 DPHKREVLALADSHADGQIGYQDFVSLMSNKRNSFRQAILQGNRRLSKALLEEKGLSLSQRLIRHVA
 YETLPREIDRWYYDSYTCPPPWFMITVTLLEVAFFLYNGVSLGQFVLQVTHPRYLKNSLVYHPQLRAQ
 VWRYLTYIFMHAGIEHLGLNVVLQLLVGVPLEMVHGATRIGLVYVAGVAGSLAVSVADMTAPVVGSSGG
 VYALVSAHLANIWMNSGMKCQFKLLRMAVALICMSMEFGRVWLRHFPSAYPPCPHPSFVAHLGGVAVG
 ITLGVVVLRYEQRLQDQSLWWIFVAMYTVFVLFVAVFWNIFAYTLLDLKLPPPP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_138328

ORF Size: 1212 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_138328.3](#)

RefSeq Size: 4688 bp

RefSeq ORF: 1215 bp

Locus ID: 162494

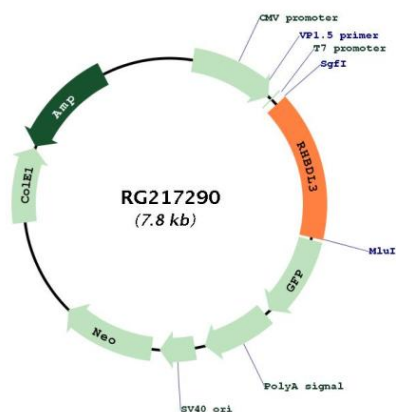
UniProt ID: [P58872](#)

Cytogenetics: 17q11.2

Protein Families: Transmembrane

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 RG217290