

Product datasheet for **RG237817**

RHBDL1 (NM_001278720) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDL1 (NM_001278720) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RHBDL1
Synonyms:	RHBDL; RRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237817 representing NM_001278720. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGACAGGAGCTCGCTGCTGCAGCTCATCCAGGAGCAGCAGCTGGACCCGAGAACACAGGCTTCATC
GGTGCCGACACCTTCACTGGCCTGGTGACAGCCATGAGCTGCCCTGGACCCGGCCAAGCTGGACATG
CTGGTGGCCCTGGCTCAGAGCAACGAGCAGGGCCAGGTCTGCTACCAGGAGCTGGTGGACCTGATCAGC
AGCAAGCGCTCCAGCAGTTTCAAGCGGGCCATTGCTAACGGACAGCGGGCACTGCCCGGGACGGGCCG
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GAGGTGGACCCGCTGGTACTTCTACCGTCACCGCAGCTGCCACCCCGTGTTCATGGCCTCGGTC
ACTCTTGCCAGATCATCGTGTTCCTGTGTACGGGGCCCGCTCAACAAGTGGTGGTGGCAGACCTAC
CACCCCGAGTACATGAAGAGCCCTTGTGTACCACCCGGGCACCGTGCCCGCGCTGGCGCTTCCTC
ACCTACATGTTTATGCACGTTGGGCTGGAGCAGCTGGGGTTCAACGCCCTCCTGCAGCTGATGATCGGG
GTGCCCTGGAGATGGTGACCGCCTGTCCGCATCAGCCTGCTACTCTGGCAGGCGTGTGGCAGGC
TCCCTAACCGTCTCCATCACCGACATGCCGGCCCGGTGGTGGGAGGCTCCGGCGGGTCTACGCCCTG
TGCTCGGCACACCTGGCCAACGTTGTATGAACGGGCTGGGATGAGATGTCCTACAAGTTGTGAGG
ATGGTGTGGCCTTGGTGTGCATGAGCTCCGAGGTGGCCGGCCGCTGTGGCTGCCCTTCTCCCCGCC
CTGCCCGCCTCGGGCCACAGCCAGCTTTCATGGCGCACCTGGCAGGCGGTTGGTGGGGTGAGCATG
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ATCCCCCACC GCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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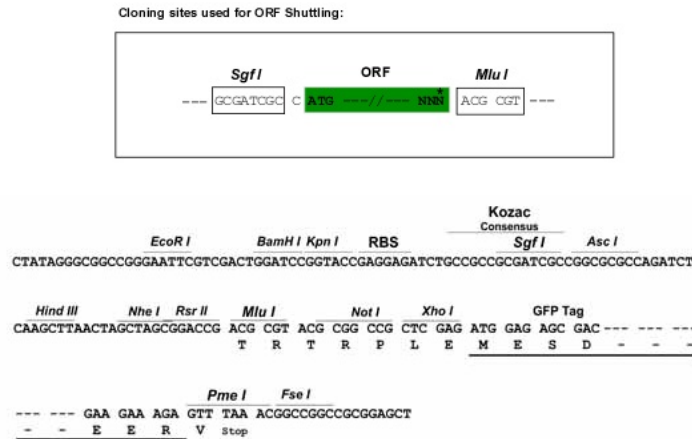
View online »

Protein Sequence: >Peptide sequence encoded by RG237817
 Blue=ORF Red=Cloning site Green=Tag(s)

MDRSSLLQLIQEQQLDPENTGF IGADFTTGLVHSHELPLDPAKLDMLVALAQSNEQGQVCYQELVDLIS
 SKRSSFKRAIANGQRALPRDGPLDEPLGVYKRFVRYVAEILPCEVDRRWYFYRHRSCPPPVFMSV
 TLAQIIIVFLCYGARLNKWLQTYHPEYMKSPLVYHPGHRARAWRFLTYMFMHVGLEQLGFNALLQLMIG
 VPLEMVHGLLRISLLYLAGVLAGSLTVSITDMRAPVVGSGGVYALCSAHLANVVMNWAGMRCYPYKLLR
 MYLALVCMSEVGRAVWLRFSPLPASGPQPSFMAHLAGAVVGVSMGLTILRSYEERLRDQCGWVVLL
 AYGTFLLFAVFWNVFAYDLLGAHIPPPP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278720

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.

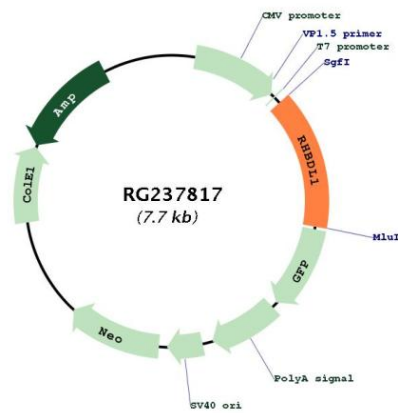
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001278720.2](#)

RefSeq Size: 1480 bp

RefSeq ORF:	1122 bp
Locus ID:	9028
UniProt ID:	O75783
Cytogenetics:	16p13.3
Protein Families:	Protease, Transmembrane
MW:	42.2 kDa
Gene Summary:	This gene encodes a protein similar to Rhomboid in Drosophila which is involved in signalling in the Spitz/epidermal growth factor receptor/mitogen-activated protein kinase pathway. The Rhomboid family of proteins consists of intramembrane serine proteases containing several transmembrane domains. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG237817