

## Product datasheet for **RG237287**

### **RHBDL1 (NM\_001278721) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDL1 (NM_001278721) 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:	>RG237287 representing NM_001278721. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACAGGAGCTCGCTGCTGCAGCTCATCCAGGAGCAGCAGCTGGACCCGAGAACACAGGCTTCATC
GGTGCGGACACCTTCACTGGCCTGGTGCACAGCCATGAGCTGCCCTGGACCCGGCCAAGCTGGACATG
CTGGTGGCCCTGGCTCAGAGCAACGAGCAGGGCCAGGTCTGCTACCAGGAGCTGGTGGACCTGATCATC
GTGTTCTGTGTTACGGGGCCCGCCTCAACAAGTGGGTGCTGCAGACCTACCACCCGAGTACATGAAG
AGCCCCCTTGTGTACCACCCGGGCACCGTGCCCGCCCTGGCGCTTCTCACCTACATGTTTCATGCAC
GTTGGGCTGGAGCAGCTGGGGTTCAACGCCCTCCTGCAGCTGATGATCGGGGTGCCCTGGAGATGGTG
CACGGCCTGCTCCGCATCAGCCTGCTCTACCTGGCAGGCGTGCTGGCAGGCTCCCTAACCGTCTCCATC
ACCGACATGCGGGCCCGGTGGTGGGAGGCTCCGGCGGGTCTACGCCCTGTGCTCGGCACACCTGGCC
AACGTTGTGATGAACCTGGGCTGGGATGAGATGTCCCTACAAGTTGCTGAGGATGGTGTGGCCTGGTG
TGCATGAGCTCCGAGGTGGGCCGGCCGTGTGGCTGCGCTTCTCCCCGCCGCTGCCCGCCTGGGCCCA
CAGCCCAGCTTCATGGCGCACCTGGCAGGCGCGGTGGTGGGGGTGAGCATGGCCGTGACCATCCTGCGG
AGCTACGAGGAGCGCCTGCGGGACAGTGCGGCTGGTGGGTGGTGTGCTGCTGGCCTACGGCACCTTCTCTG
CTCTTCGCGCTTCTGGAACGTCTTCGCTACGACCTGCTGGCGCCACATCCCCCACCGCC
ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237287  
 Blue=ORF Red=Cloning site Green=Tag(s)

MDRSSLLQLIQEQQLDPENTGFIGADFTGLVHSHELPLDPAKLDMLVALAQSNEQGQVCYQELVDLII  
 VFLCYGARLNKWLQTYHPEYMKSPVYHPGHRARAWRFLTYMFMHVGLEQLGFNALLQLMIGVPLEMV  
 HGLLRISLLYLAVLAGSLTVSITDMRAPVVGSGGVYALCSAHLANVVMNWAGMRCYPYKLLRMVLALV  
 CMSSEVGRAVWLRFSPPPLPASGPQPSFMAHLAGAVVGVSMGLTILRSYEERLRDQCQGWVVLLAYGTFL  
 LFAVFNWVFAYDLLGAHIPP  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001278721

**ORF Size:** 894 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).

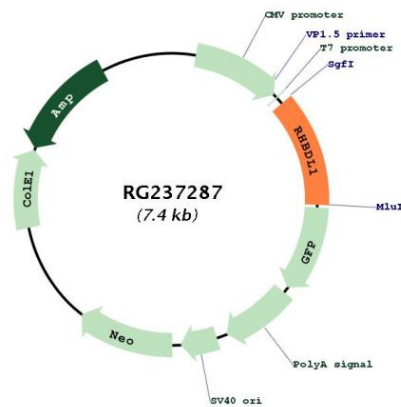
**RefSeq:** [NM\\_001278721.2](#)

**RefSeq Size:** 1255 bp

**RefSeq ORF:** 897 bp

**Locus ID:** 9028  
**UniProt ID:** [O75783](#)  
**Cytogenetics:** 16p13.3  
**Protein Families:** Protease, Transmembrane  
**MW:** 33.5 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 RG237287