

Product datasheet for **RC237287**

RHBDL1 (NM_001278721) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDL1 (NM_001278721) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RHBDL1
Synonyms:	RHBDL; RRP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237287 representing NM_001278721 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGGAGCTCGCTGCTGCAGCTCATCCAGGAGCAGCAGCTGGACCCCGAGAACACAGGCTTCATCG
GTGCGGACACCTCACTGGCCTGGTGCACAGCCATGAGCTGCCCTGGACCCGGCCAAGCTGGACATGCT
GGTGGCCCTGGCTCAGAGCAACGAGCAGGGCCAGGTCTGCTACCAGGAGCTGGTGGACCTGATCATCGTG
TTCTGTGTTACGGGGCCCGCCTCAACAAGTGGGTGCTGCAGACCTACCACCCGAGTACATGAAGAGCC
CCCTTGTGTACCACCCGGGCACCGTGCCCGCGCTGGCGCTTCCTCACCTACATGTTTCATGCAGTTGG
GCTGGAGCAGCTGGGGTTCAACGCCCTCCTGCAGCTGATGATCGGGGTGCCCTGGAGATGGTGCACGGC
CTGCTCCGCATCAGCCTGCTCTACCTGGCAGGCGTGCTGGCAGGCTCCCTAACCGTCTCCATCACCGACA
TGCGGGCCCCGGTGGTGGGAGGCTCCGGCGGGTCTACGCCCTGTGCTCGGCACACCTGGCCAACGTTGT
CATGAAGTGGGCTGGGATGAGATGTCCCTACAAGTTGCTGAGGATGGTGTGCTGGCCTTGGTGTGCATGAGC
TCCGAGGTGGGCCGGGCCGTGTGGCTGCCTTCTCCCCGCCGTGCCCGCTCGGGCCACAGCCAGCT
TCATGGCGCACCTGGCAGGCGCGGTGGTGGGGTGAGCATGGGCCTGACCATCTGCGGAGCTACGAGGA
GCGCCTGCGGGACCAGTGCGGCTGGTGGGTGGTGTGCTGCTGGCCTACGGCACCTTCTGCTTTCGCGCTC
TTCTGGAACGTCTTCGCTACGACCTGCTGGGCGCCACATCCCCCACCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237287 representing NM_001278721
 Red=Cloning site Green=Tags(s)

MDRSSLLQLIQEQQLDPENTGF IGADFTGLVHSHELPLDPAKLDMLVALAQSNEQGQVCYQELVDLIIV
 FLCYGARLNKWLQTYHPEYMKSP LVYHPGHRARAWRFLTYMFMHVGLQLGFNALLQLMIGVPLEMVHG
 LLRISLLYLAGVLAGSLTVSITDMRAPVVGSGGVYALCSAHLANVVMNWAGMRCYPKLLRMVLALVCMSS
 SEVGRAVWLRFSPLPASGPPQPSFMAHLAGAVGVSMGLTILRSYEERLRDQCGWVWVLLAYGTFLFLFAV
 FWNVFAYDLLGAHIPPPP

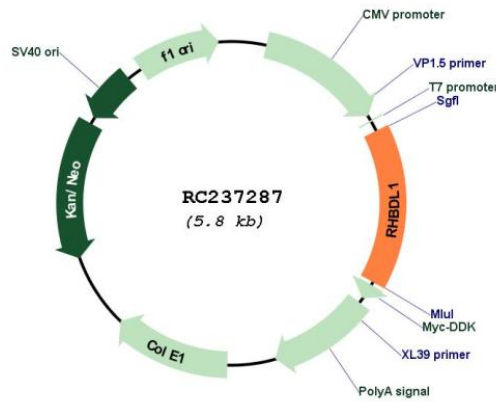
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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_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]