

Product datasheet for RC237817

RHBDL1 (NM_001278720) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RHBDL1 (NM_001278720) 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: >RC237817 representing NM_001278720
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACAGGAGCTCGCTGCTGCAGCTCATCCAGGAGCAGCAGCTGGACCCCGAGAACACAGGCTTCATCG
 GTGGCGACACCTCACTGGCCTGGTGCACAGCCATGAGCTGCCCTGGACCCGGCCAAGCTGGACATGCT
 GGTGGCCCTGGCTCAGAGCAACGAGCAGGGCCAGGTCTGCTACCAGGAGCTGGTGGACCTGATCAGCAGC
 AAGCGCTCCAGCAGTTTCAAGCGGGCCATTGCTAACGGACAGCGGCACTGCCCCGGGACGGGCCGCTGG
 ATGAGCCAGGCCCTAGGTGTCTACAAGCGGTTTGTGCGTTACGTGGCCTACGAGATCCTGCCTTGTGAGGT
 GGACCGCCGCTGGTACTTCTACCGTCACCGCAGCTGCCACCCCGTGTTCATGGCCTCGGTCACTCTT
 GCCCAGATCATCGTGTCTGTGTACGGGGCCCGCCTCAACAAGTGGGTGCTGCAGACCTACCACCCCG
 AGTACATGAAGAGCCCCCTTGTGTACCACCCGGGCACCGTGCCCGCGCCTGGCGCTTCTCACCTACAT
 GTTCATGCACGTTGGGCTGGAGCAGCTGGGGTTCAACGCCCTCCTGCAGCTGATGATCGGGGTGCCCTG
 GAGATGGTGCACGGCCTGCTCCGCATCAGCCTGCTCTACCTGGCAGGCGTGTGGCAGGCTCCCTAACCG
 TCTCCATCACCGACATGCGGGCCCGGTGGTGGGAGGCTCCGGCGGGTCTACGCCCTGTGCTCGGCACA
 CCTGGCCAACGTTGTATGAAGTGGGCTGGGATGAGATGCCCTACAAGTTGCTGAGGATGGTGTGCTGGCC
 TTGGTGTGCATGAGCTCCGAGGTGGGCCGGGCCGTGTGGCTGCGCTTCTCCCCGCGCTGCCCGCCTCGG
 GCCACAGCCAGCTTATGGCGCACCTGGCAGGCGCGGTGGTGGGGGTGAGCATGGGCCTGACCATCCT
 GCGGAGCTACGAGGAGCGCCTGCGGGACCAGTGCAGGCTGGTGGGTGGTGTGCTGGCCTACGGCACCTTC
 CTGCTCTCGCCGCTTTCTGGAACGCTCTCGCCTACGACCTGCTGGGCGCCACATCCCCCACCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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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).
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_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]