

Product datasheet for SC335711

RHBDL1 (NM_001278720) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDL1 (NM_001278720) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHBDL1
Synonyms:	RHBDL; RRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335711 representing NM_001278720. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACAGGAGCTCGCTGCTGCAGCTCATCCAGGAGCAGCAGCTGGACCCGAGAACACAGGCTTCATC
GGTGGGACACCTTCACTGGCCTGGTGCACAGCCATGAGCTGCCCTGGACCCGGCCAAGCTGGACATG
CTGGTGGCCCTGGCTCAGAGCAACGAGCAGGGCCAGGTCTGCTACCAGGAGCTGGTGGACCTGATCAGC
AGCAAGCGCTCCAGCAGTTTCAAGCGGGCCATTGCTAACGGACAGCGGGCACTGCCCGGGACGGGCCG
CTGGATGAGCCAGGCCTAGGTGTCTACAAGCGTTTGTGGTTACGTGGCCTACGAGATCCTGCCTTGT
GAGGTGGACCCGCTGGTACTTCTACCGTCACCGCAGCTGCCACCCCGTGTTCATGGCCTCGGTC
ACTCTTGCCAGATCATCGTGTCTGTGTACGGGGCCCGCTCAACAAGTGGGTGCTGCAGACCTAC
CACCCCGAGTACATGAAGAGCCCTTGTGTACCACCCGGGCACCGTGCCCGCGCTGGCGCTTCTC
ACCTACATGTTTATGCACGTTGGGCTGGAGCAGCTGGGGTTCAACGCCCTCCTGCAGCTGATGATCGGG
GTGCCCTGGAGATGGTGCACGGCCTGCTCCGCATCAGCCTGCTCTACCTGGCAGGCGTGTGGCAGGC
TCCCTAACCGTCTCCATCACCGACATGCCGGCCCGGTGGTGGGAGGCTCCGGCGGGTCTACGCCCTG
TGCTCGGCACACCTGGCCAACGTTGTATGAACGGGCTGGGATGAGATGTCCTACAAGTTGTGAGG
ATGGTGTGGCCTTGGTGTGCATGAGCTCCGAGGTGGCCGGCCGCTGTGGCTGCCCTTCTCCCCGCCG
CTGCCCGCCTCGGGCCACAGCCAGCTTTCATGGCGCACCTGGCAGGCGGCTGGTGGGTTGAGCATG
GGCCTGACCATCCTGCCGAGCTACGAGGAGCGCCTGCCGGACAGTGCCGCTGGTGGGTGTGCTGCTG
GCCTACGGCACCTTCTGCTCTTCGCCGCTTCTGGAACGTTCTCGCCTACGACCTGCTGGCGCCAC
ATCCCCCACC GCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001278720
Insert Size:	1122 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001278720.1</u>
RefSeq Size:	1480 bp
RefSeq ORF:	1122 bp
Locus ID:	9028
UniProt ID:	<u>O75783</u>
Cytogenetics:	16p13.3
Protein Families:	Protease, Transmembrane
MW:	41.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and 5' coding region and uses an alternate start codon, compared to variant 3. It encodes isoform 1, which is shorter and has a distinct N-terminus, compared to isoform 3.</p>