

Product datasheet for **SC111465**

RHBDD1 (NM_032276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDD1 (NM_032276) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHBDD1
Synonyms:	RHBDL4; RRP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032276, the custom clone sequence may differ by one or more nucleotides

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ATGCAACGGAGATCAAGAGGGATAAATACTGGACTTATTCTACTCCTTTCTCAAATCTTCCATGTTGGGA  
TCAACAATATTCCACCTGTACCCTAGCAACTTTGGCCCTCAACATCTGGTTCTTCTTGAACCTCAGAA  
GCCACTGTATAGCTCCTGCCTTAGTGTGGAGAAGTGTACCAGCAAAAAGACTGGCAGCGTTTACTGCTC  
TCTCCCTTACCATGCTGATGATTGGCATTGTATTTC AATATGGCATCCATGCTCTGGAAGGAATAA  
ATCTAGAAAGAAGACTGGGAAGTAGATGGTTTGCCTATGTTATCACCGCATTTTCTGTACTTACTGGAGT  
GGTATACCTGCTCTTGAATTTGCTGTTGCCGAATTTATGGATGAACCTGACTTCAAAGGAGCTGTGCT  
GTAGGTTTCTCAGGAGTTTTGTTTGGCTTTGAAAGTTCTTAACAACCATTATTGCCCTGGAGGCTTTGTCA  
ACATTTTGGGCTTTCCTGTACCGAACAGATTTGCTTGTGGGTGCGAACTGTGGCTATTCATTTATTCTC  
ACCAGGGACTTCCCTTCGCTGGGCATCTGGCTGGGATTCTTGTGGACTAATGTACTCAAGGGCCTCTG  
AAGAAAATCATGGAAGCATGTGCAGGCGGTTTTTCTCCAGTGTGGTTACCCAGGACGGCAATACTACT  
TTAATAGTTTCAGGCAGCTCTGGATATCAGGATTATTATCCGCATGGCAGGCCAGATCACTATGAAGAAGC  
ACCCAGGAATATGACACGTACACAGCAGGACTGAGTGAAGAAGAACAGCTCGAGAGAGCATTACAAGCC  
AGCCTCTGGGACCGAGGAAATACCAGAAATAGCCACCACCCTACGGTTTCATCTCTACCAGAAGAAA  
TGAGGAGACAGCGGCTTCACAGATTCGATAGCCAGTGA
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Gene Summary:

Intramembrane-cleaving serine protease that cleaves single transmembrane or multi-pass membrane proteins in the hydrophobic plane of the membrane, luminal loops and juxtamembrane regions. Involved in regulated intramembrane proteolysis and the subsequent release of functional polypeptides from their membrane anchors. Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded membrane proteins. Required for the degradation process of some specific misfolded endoplasmic reticulum (ER) luminal proteins. Participates in the transfer of misfolded proteins from the ER to the cytosol, where they are destroyed by the proteasome in a ubiquitin-dependent manner. Functions in BIK, MPZ, PKD1, PTCRA, RHO, STEAP3 and TRAC processing. Involved in the regulation of exosomal secretion; inhibits the TSAP6-mediated secretion pathway. Involved in the regulation of apoptosis; modulates BIK-mediated apoptotic activity. Also plays a role in the regulation of spermatogenesis; inhibits apoptotic activity in spermatogonia.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) and variants 2-5 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.