

Product datasheet for **MC203669**

Rhbdd1 (NM_029777) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhbdd1 (NM_029777) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rhbdd1
Synonyms:	4930418P06Rik; mRHBDD1; RRP4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC005518
CTTAGAGAGAGTGCAGTTCTCCGTGTACCTCCCTGGGTTCTAATCCTCTAGCACAGATCCTTATCCACG
CTCCTGATATCCTGCAGTCATGCAGCGGAGAACGAGAGGGATCAACACCGGCCTCCTCCTGCTCCTCTCT
CAAGTGTTCCAAATTGGGATCAACAACATTCCGCTGTTACCCTCGAACCTTGGCTGTCAACGTCTGGT
TCTTCTGAATCCTTGAAGCCCTGTACCATTCCTGCATCAGCGTGGAAAAGTGTACCAGCAGAAAGA
CTGGCAGCGTTTACTGCTCTCTCCCTGCACCACGGAGATGACTGGCATTGTATTTCAACATGGTGTC
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CTTCAAAAGGAACTGTGCTGTGGCTTCTCAGGAGTTTTGTTTGCCTTGAAGTCTTAGCAACCATTAAC
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TCATTAGATATCATTGTGGCACCAGCAATTTGGGTTTCCAGGCCACCCCTCCAGGAGCGGGCAGTGTGTT
TAACTGTCCACAGAGCGGCAACAGGTGCCACACACACAGAGCAAAGCCAACATGTTGAGTGGGGTTC
TCACAGGGAATCCCCCTTGACAGCAAGTATTTTTTTTTCTTTCATGAAAGTGCCTTCTCATTGGCTACTC
TGGCTGTAGTTGGTCATAAACAAGTGTGTGAAAAATGCCCCAGGGAATGCTGTGTCGAGTCACTTAAGG
CATTTCTGTTTCTGTGTTCTGAGAATAAAAAGGCAAAGACAGGGTGTGCCACCTCCTCACAGTCAGGG
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GTTAATATGGACCCACCTGGAATGTCTATAACCCGTGCATATGAATGGACTAAGCAAATCCATGGAGTCT
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TATTATAAATTATGCCCATGAGCCTGGTACCTCCAAACACATTTAAATTATAATGGTCAAGGTAAATTAT
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AAAGACACTGAAAATCCAATTTTGGATGGTGTAGTTATAAAATGCATTTTTCTTTATTATGGAGTGG
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CAGAATAAAGATGGTCTGGAAATGATAAAAAAAAAAAAAA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_029777
Insert Size:	948 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>BC005518</u> , <u>AAH05518</u>
RefSeq Size:	3471 bp
RefSeq ORF:	948 bp
Locus ID:	76867
UniProt ID:	<u>Q8BHC7</u>
Cytogenetics:	1 C5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the more frequently occurring transcript. Variants 1 and 2 encode the same protein.</p>