

Product datasheet for **SC123645**

RHBDL2 (BC013103) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDL2 (BC013103) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHBDL2
Synonyms:	MGC16997; OTTHUMP0000000546; rhomboid (veinlet, Drosophila)-like 2; rhomboid, veinlet-like 2 (Drosophila); rhomboid-related protein 2; RRP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC013103 edited AAGGAGGAGCGCCTGGCAGAGCGGGATCTTCAGGGCAGCGGGCAACCCCTTGGCCCAGGA AGCCTGGAACGCAAGGACCGGAGGGCGTGGGCTGGGACGCCCTACGTTGGTCTTTCAGG GAAAGGCCTTGAAAGCAGTCGTTGCCAGACAGCCCAGGGAAGAGCGGCAGCCTGAGG ACCTAGGGCCACCTGCTGTTCCCTGGGATTCATGTCCTTCTGGGGAGGAGGGAGGCCA GGACAATGGCTGCTGTTTCATGATCTGGAGATGGAGAGCATGAATCTGAATATGGGGAGAG AGATGAAAGAAGAGCTGGAGGAAGAGGAGAAAATGAGAGAGGATGGGGGAGGTAAAGATC GGGCCAAGAGTAAAAAGGTCCACAGGATTGTCTCAAATGGATGCTGCCGAAAAGTCCC GAGGAACATACTTGAGAGAGCTAACTGCTTCCCGCCTCCCGTTCATCATCTCCATCA GCCTGGCCGAGCTGGCAGTGTATTTACTATGCTGTGTGGAAGCCTCAGAAACAGTGGA TCACGTTGGACACAGGCATCTTGGAGAGTCCCTTATCTACAGTCCTGAGAAGAGGGAGG AAGCCTGGAGGTTTATCTCATACTGCTGGTACATGCTGGGTAAGCAATGATAGTTAAGC CCCTGGTATCAGAGGTGATTATATCATTGTAACCTCTAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC013103 unedited AGTCAGATTTTGTAAACGACTCACTATAGGGNCGGCACGCGNAATTCCTGGGGAATCGT CGACCCTTCGTCCGAAGGAGAGCGCCTGGCAGAGCGGGATCTTCATGGCAGCGGGCAACC CCTTGGCCCATGAAGCCTGGAACGCAAGGACCGGAGGGCGTGGGCTGGGACGCCCTACG TTGGTCTTTCAGGGAAAGGCCTTGAAAGCAGTCGTTGCGCCAGACAGCCCATGGAAGAG CGGCAGCCTGAGGACCTATGGCCACCTGCTGTTCCCTGGGATTCATGTCCTTCTGGGGAG GAGGGAGGACCCAGGACAATGGCTGCTGTTTCATGATCTGGAGATGGAGAGCATGAATCTG AATATGGGGAGAGAGATGAAAGAAGAGCTGGAGGAAGAGGAGAAAATGAGAGAGGATGGG GGAGGTAAGATCGGGCAAGAGTAAAAAGGTCCACAGGATTGTCTCANAATGGATGCTG CCCGAAAAGTCCCGAGGAACATACTTGGAGAGAGCTAACTGCTTCCCGCCTCCCGTGTT ATCATCTCCATCAGCCTGGCCGAGCTGGCAGTGTATTTACTATGCTGTGTGGAAGCCT CAGAAACAGTGGATCACGTTGGACACAGGCATCTTGGAGAGTCCCTTTATCTACAGTCT GAGAAGAGGGAGGAAGCCTGNNAGTTTATCTCATAACATGCTGGTACATGCTGGGTAAGC ATGATAGTTAAGCCCTGGTATCAGAGGTGATTATATCATTGTAACCTCTAAAAAAAAA AAAAAGGCNGCCCGCTCATAGCTGTTTCTGAACAGATCCCGGGTAGCATNCCNNTGTG ACCTCCNCAGTGGCCTCTCTGCCCNTGGAAAGTTGCACTCCAGTGCCCAACAACT TGTCTAAATAAATTAAGTTGCATCATTTTTGTCTGACTAAGTGCCTT
Restriction Sites:	Please inquire
ACCN:	BC013103
Insert Size:	712 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>BC013103.1</u> , <u>AAH13103.1</u>
RefSeq Size:	712 bp
RefSeq ORF:	366 bp
Locus ID:	54933
Cytogenetics:	1p34.3
Protein Families:	Protease, Transmembrane

Gene Summary:

The protein encoded by this gene is a member of the rhomboid family of integral membrane proteins. This family contains proteins that are related to *Drosophila* rhomboid protein. Members of this family are found in both prokaryotes and eukaryotes and are thought to function as intramembrane serine proteases. The encoded protein is thought to release soluble growth factors by proteolytic cleavage of certain membrane-bound substrates, including ephrin B2 and ephrin B3. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2015]