

Product datasheet for **SC311184**

RHBDD2 (NM_001040457) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHBDD2 (NM_001040457) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHBDD2
Synonyms:	NPD007; RHBDL7
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001040457, the custom clone sequence may differ by one or more nucleotides ATGCTGGGAGTCACCACCGTCCGTTCTCGGATGAGGCGGGCCCTGGTGTGGCATGGTT GTGCCCTCAGTCTGGTCCGTGGCTCCTGCTGGGTGCCTCGTGGCTCATTCCCCAGACC TCTTCTCAGTAATGTCTGCGGGCTGTCCATCGGGCTGGCCTATGGCCTCACCTACTGC TATTCCATCGACCTCTCAGAGCGAGTGGCACTGAAGCTCGATCAGACCTTCCCCTCAGC CTGATGAGGAGGATATCCGTGTTCAAGTACGTCTCAGGGTCTTCAGCCGAGAGGAGGGCA GCCAGAGCCGGAAACTGAACCCGGTGCCTGGCTCCTACCCACACAGAGCTGCCACCCT CACCTGTCCCAAGCCACCCTGTGTCCCAGACGCAGCACGCCAGTGGTCAGAAGCTGGCC TCCTGGCCCTCCTGCACCCCGGGCACATGCCACCTTGCTCCGTACCAGCCTGCCTCC GGCCTGTGCTATGTGCAGAACCCTTTGGTCCAACCCCACTCCTCCAGTGTCTACCCA GCTTCTGCGGGCACCTCCCTGGGCATCCAGCCCCACGCCTGTGAACAGCCCTGGCAGC GTGTATTCTGGGGCCTTGGGCACACCAGGGGCTGCAGGCTCCAAGGAGTCTCCAGGGTC CCCATGCCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001040457
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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Reconstitution Method:

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_001040457.1](#), [NP_001035547.1](#)

RefSeq Size: 1878 bp

RefSeq ORF: 672 bp

Locus ID: 57414

UniProt ID: [Q6NTE9](#)

Cytogenetics: 7q11.23

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a member of the rhomboid family of membrane-bound proteases and is overexpressed in some breast cancers. Members of this family are involved in intramembrane proteolysis. In mouse, the orthologous protein associates with the Golgi body. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (2) has an alternate exon in the 5' end compared to variant 1. This difference causes translation initiation at a downstream AUG and results in an isoform (b) with a shorter N-terminus, compared to isoform a. Variants 2-4 all encode the same isoform (b). 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.