

## Product datasheet for **SC300981**

### **RHBDF2 (NM\_001005498) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RHBDF2 (NM_001005498) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHBDF2
Synonyms:	iRhom2; RHBDL5; RHBDL6; TEC; TOC; TOCG
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001005498, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCTGCTGACAAGAATGGCGGGAGCGTGTCTCTGTGTCCAGCAGCCGCCTGCAG
AGCCGGAAGCCACCCAACCTCTCCATCACCATCCCGCCACCCGAGAAAGAGACCCAGGCC
CCTGGCGAGCAGGACAGCATGCTGCCTGAGAGGAAGAACCAGCCTACTTGAAGAGCGTC
AGCCTCCAGGAGCCACGACCCGATGGCAGGAGAGTTTCAAGAGAAGCGCCCTGGCTTCCGC
CGCCAGGCTCACTGTCCAGAGCATCCGCAAGGGCGCAGCCCAAGTGGTTTGGAGTCAGC
GGCGACTGGGAGGGGACGCGGCAGCAGTGGCAGCGCCGACCCCTGCACCACTGCAGCATG
CGTACGGCCGCCTGAAGGCCTCGTGCCAGCGTGACCTGGAGCTCCCCAGCCAGGAGGCA
CCGTCTTCCAGGGCACTGAGTCCCAAGCCCTGCAAGATGCCAAGATTGTGGATCCG
CTGGCCCGGGGCGGGCCTTCCGCCACCCGGAGGAGATGGACAGGCCCCACGCCCGCAC
CCACCGCTGACCCCGGAGTCTGTCCCTCACCTCCTTACCAGTGTCCGTTCTGGCTAC
TCCACCTGCCACGCCGAAGAGAATGTCTGTGGCCACATGAGCTTGAAGTGGCGT
GCCCTCTCAAGGGGCGTCCGTGCTGGATGCCACCGACAGCGTGGCCGGTGGTCAAG
CGCAGCTTTGCCCTCCCGAGCTTCTGGAGGAGATGTGGTTCGATGGGGCAGACAGCTTT
GACTCCTCCTTTTTAGTAAGGAAGAAATGAGCTCCATGCCTGATGATGTCTTTGAGTCC
CCCCACTCTCTGCCAGCTACTTCCGAGGGATCCACACTCAGCCTCCCCGTCTCCCC
GATGGGTGCAAATCCCTCTGAAGGAGTATGGCCGAGCCCAAGTCCCGGGCCCCGGCGC
GGCAAGCGCATCGCTCCAAGGTGAAGCACTTTGCCTTTGATCGGAAGAAGCGGCACTAC
GGCCTCGGCGTGGTGGGCAACTGGCTGAACCGCAGCTACCGCCGAGCATCAGCAGCACT
GTGCAGCGGAGCTGGAGAGCTTCGACAGCCACCGGCCACTTACCTACTGGCTGACC
TTCGTCCATGTCATCATCAGCTGCTGGTATTGACGTATGGCATCGCACCCGTGGGC
TTTGGCCAGCACGTCAACACCCAGTGGTGTGCGGAACAAAGGTGTGTACGAGAGCGTG
AAGTACATCCAGCAGGAGAACTTCTGGGTGGCCCGAGCTCGATTGACCTGATCCACTG
GGGCCCAAGTTCTCACCTGCATCCGGAAGGACGGGCAGATCGAGCAGCTGGTGTGCGC
GAGCGAGACCTGGAGCGGACTCAGGCTGCTGTGTCCAGAATGACCACTCCGGATGCATC
CAGACCCAGCGGAAGGACTGCTCGGAGACTTTGGCCACTTTTGTCAAGTGGCAGGATGAC
ACTGGGCCCCCATGGACAAGTCTGATCTGGGCCAGAAGCGGACTTCGGGGGCTGTCTGC
CACCAGGACCCAGGACTGCGAGGAGCCAGCCTCCAGCGGTGCCACATCTGGCCCGAT
GACATCACTAAGTGGCCGATCTGCACAGAGCAGGCCAGGAGCAACCACACAGGCTTCTG
CACATGGACTGCGAGATCAAGGGCCGCCCTGCTGCATCGGCACCAAGGGCAGCTGTGAG
ATCACCACCCGGGAATACTGTGAGTTCATGCACGGCTATTTCCATGAGGAAGCAACTC
TGCTCCCAGGTGCACTGCTTGGACAAGGTGTGTGGGCTGCTGCCCTTCTCAACCCTGAG
GTCCCAGATCAGTTCTACAGGCTCTGGCTGTCTCTTCTTACATGCTGGCGTGGTGAC
TGCTCGTGTCTGTGGTCTTTCAAATGACCATCCTGAGGGACCTGGAGAAGCTGGCCGGC
TGGCACCGTATCGCCATCATCTTCACTCAGTGGCATCACAGGCAACCTCGCCAGTGGC
ATCTTTCTCCATACCGGGCAGAGGTGGGCCCGGCCGCTCACAGTTCGGCTCCTCGCC
TGCTCTTCTGGAGCTTCCAGAGCTGGCCGCTGCTGGAGAGGCCCTGGAAGGCCCTTC
TCAACCTCTCGGCCATCGTCTTCTCTGTTTCTGTGGCTCCTGCCCTGGATCGAC
AACATCGCCACATCTTGGCTTCTCAGTGGCTGCTGCTGGCTTCCGCTTCTGCCC
TACATCACCTTCCGACACGAGCAAGTACCGCAAGCGGGCACTCATCTGGTGTCACTG
CTGGCCTTTGCCGGCTTTCGCCGCCCTCGTGTGTGGCTGTACATCTACCCATTAAAC
TGGCCCTGGATCGAGCACCTCACCTGCTTCCCCTTACCAGCCGCTTCTGCGAGAAGTAT
GAGCTGGACCAGGTGCTGCACTGA
    
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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001005498

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001005498.1</a></u> , <u><a href="#">NP_001005498.1</a></u>
<b>RefSeq Size:</b>	3118 bp
<b>RefSeq ORF:</b>	2484 bp
<b>Locus ID:</b>	79651
<b>UniProt ID:</b>	<u><a href="#">Q6PJF5</a></u>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Protease, Transmembrane
<b>Gene Summary:</b>	<p>Regulates ADAM17 protease, a sheddase of the epidermal growth factor (EGF) receptor ligands and TNF, thereby plays a role in sleep, cell survival, proliferation, migration and inflammation. Does not exhibit any protease activity on its own.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate, in frame splice site in the 5' coding region compared to isoform 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>