

## Product datasheet for **SC112515**

### **RHBDF1 (NM\_022450) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RHBDF1 (NM_022450) Human Untagged Clone
Tag:	Tag Free
Symbol:	RHBDF1
Synonyms:	C16orf8; Dist1; EGFR-RS; gene-89; gene-90; hDist1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene ORF sequence for NM_022450 edited
CACGAGGCGGGCCGGACCGGCGGGCGGGGACTCGGCGGGGCGCCCTCCCGGCCAG
CGGCGGCAGCCCCCTCTCCCGGCGCCCTCAGGACCCCCAGAGACCCCCGGGCGGCGCA
GCCTGCCTTGCTCTGCCAGGAACCATGAGTGAGGCCCGCAGGGACAGCAGCAGCAGCCTG
CAGCGCAAGAAGCCACCTGGCTAAAGCTGGACATTCCTCTGCGGTGCCCTGACGGCA
GAAGAGCCCAGCTTCTGCAGCCCCTGAGGCGACAGGCTTTCCTGAGGAGTGTGAGTATG
CCAGCCGAGACAGCCCACATCTCTTACCCACCACATGAGCTCCGGCGGGCGGTGCTGCAA
CGCCAGACGTCCATCACACAGACCATCCGCAGGGGGACCGCCACTGGTTTGAGTGTAGC
AAGGACAGTGACAGCACCCAGAAATGGCAGCGCAAGAGCATCCGTCACTGCAGCCAGCGC
TACGGGAAGCTGAAGCCCCAGGTCCTCCGGGAGCTGGACCTGCCAGCCAGGACAACGTG
TCGCTGACCAGCACCGAGACGCCACCCCACTCTACGTGGGGCCATGCCAGCTGGGCATG
CAGAAGATCATAGACCCCTGGCCCGTGGCCGTGCCTTCCGTGTGGCAGATGACTGCG
GAAGGCCTGAGTGCCCCACACACTCCCGTCACGCCGGTGTGCCTCCCTCTGCTCCTTC
TCCAGCTCCCGCTCAGGTTTCCACCGGCTCCCGCGGGCGGCAAGCGAGAGTCGGTGGCC
AAGATGAGCTTCCGGGCGGCCGACGCTGATGAAAGGCCGCTCCGTTAGGGATGGCACC
TTTCGCCGGGCACAGCGTGAAGCTTCACTCCAGCTAGCTTCTGGAGGAGGACACAAC
GATTTCCCGATGAGCTGGACACATCCTTCTTGGCCGGGAAGGTATCCTCCATGAAGAG
CTGTCCACATAACCCGGATGAAGTTTTCGAGTCCCATCGGAGGCAGCGCTAAAGGACTGG
GAGAAGGCACCGGAGCAGGCGGACCTCACCGGCGGGGCCCTGGACCGCAGCGAGCTTGAG
CGCAGCCACCTGATGCTGCCCTTGAGGCGAGGCTGGCGGAAGCAGAAGGAGGGCGCCGCA
GCCCGCAGCCCAAGGTGCGGCTCCGACAGGAGTGGTGTAGCACCAGCGGGCCGCGACGG
GGCCAGCGTATCGCGTCCGGTGCAGCAAGCTTTCGCCGGGAGAAGCGGCCGTATGGC
CTGGGCATGGTGGGACGGCTACCAACCGCACCTACCGCAAGCGCATCGACAGCTTCGTC
AAGCGCCAGATCGAGGACATGGACGACCACAGGCCCTTCTTACCTACTGGCTTACCTTC
GTGCACTCGCTCGTACCATCCTAGCCGTGTGCATCTATGGCATCGCGCCGTGGCTTC
TCGAGCATGAGACGGTGGACTCGGTGCTGCGGAACCGCGGGGTCTACGAGAACGTCAAG
TACGTGCAGCAGGAGAATTCTGGATCGGGCCAGCTCGGAGGCCCTCATCCACCTGGGC
GCCAAGTTTTCGCCCTGCATGCGCCAGGACCCGAGGTGCACAGCTTCATTGCTCGGCG
CGGAGCGCGAGAAGCACTCCGCTGCTGCGTGCACACGACAGGTGGGCTGCGTGCAG
ACCTCGGAGGAGGAGTGTCTGTCCACGCTGGCAGTGTGGTGAAGTGGCCATCCATCCC
AGCGCCCCAGAGCTTGGCGGCCACAAGAGACAGTTTGGCTCTGTCTGCCACCAGGATCCC
AGGGTGTGTGATGAGCCCTCCTCCGAAGACCCTCATGAGTGGCCAGAAGACATACCAAG
TGCCGATCTGCACAAAACAGCGCTGGGAACCACACCAACCATCCCCACATGGACTGT
GTCATCACAGGACGGCCCTGCTGCATTGGCACCAGGGCAGGTGTGAGTACACTCCCGG
GAGTACTGTGACTTATGAGGGGCTACTTCCATGAGGAGGCCACGCTCTGCTCTCAGGAT
CTTGCACTGCCTGGTGTCCATCTGCTTCCAGATGACTGTCTGCGGGACCTGGAGAAGCT
GGCAGGCTGGCACCAGATAGCCATCATCTACCTGCTGAGTGGTGTACCCGGCAACCTGGC
CAGTGCCATCTTCTGCCATACCGAGCAGAGGTGGTCTGCTGGCTCCCAGTTCGGCAT
CCTGGCTGCCTTCTGTTGGAGCTTCCAGAGCTGGCAGATCCTGGCGCGGCCCTGGCG
TGCTTCTTCAAGCTGCTGGCTGTGGTGTCTTCTCTTACCTTTGGGCTGCTGCCGTG
GATTGACAACTTTGCCACATCTCGGGTTCATCAGTGGCCTTCTCTCTCCTTCGCCTT
CTTGCCCTACATCAGCTTTGGCAAGTTCGACCTGTACCGAAACGCTGCCAGATCATCAT
CTTTCAGGTGGTCTTCTGGGCTCCTGGCTGGCTGGTGGTCTCTTCTACGTCTATCC
TGTCCGCTGTGAGTGGTGTGAGTTCCTCACCTGCATCCCTTCACTGACAAGTCTGTGA
GAAGTACGAACTGGACGCTCAGCTCCACTGAGCTGGCTGCGGGCTCCAGCGGCCGTGTC
TCCAGCAGGCCAGAGCCAGACACGACCTCCCTGAGCCTCACAGGCTTACAGGAGTACCT
GCTCCATGTGGGACTGGCTGTTTCTGAACACAGACCTTTTCTTGTGCCTTGTTCAC
TTCTGTTGAACCCTCGTACTGCCGGGATTTATTATACTACTTCTGTGCATAACCTTCT
AACTGTTTCTTGACGACCACC
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022450 unedited  
 GTTCAGATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGCGGGCCGGAC  
 CGGCGGGCGGGCGGGGACTCGGCGGGCGGCCCTCCCGGCCAGCGGGCGGAGCCCTCCT  
 CCCCAGGCGCCCTCAGGACCCCCAGAGACCCCCGGCGGGCAGCCTGCCTTGCTCTGCC  
 AGGAACCATGAGTGAGGCCCGCAGGGACAGCACGAGCAGCCTGCAGCGCAAGAAGCCACC  
 CTGGCTAAAGCTGGACATTCCCTCTGCGGTGCCCTGACGGCAGAAGAGCCAGCTTCCT  
 GCAGCCCTGAGGCGCAGGCTTTCCTGAGGAGTGAGTATGCCAGCCGAGACGCCCA  
 CATCTCTTCAACCCACCATGAGCTCCGGCGGCCGGTGCTGCAACGCCAGACGTCCATCAC  
 ACAGACCATCCGCAAGGGGACCGCCGACTGGTTTGGAGTGAGCAAGGACAGTGACAGCAC  
 CCAGAAATGGCAGCGCAAGAGCATCCGTCACTGCAGCCAGCGCTACGGGAAGCTGAAGCC  
 CCAGGTCTCCGGGAGCTGGACCTGCCAGCCAGGACAACGTGTCGCTGACCAGCACCGA  
 GACGCCACCCCACTCTACGTGGGGCCATGCCAGCTGGGCATGCAGAAGATCATAGACCC  
 CCTGGCCCGTGGCCGTGCCTTCCGTGTGGCAGATGACACTGCGGAAGGCCTGAGTGCCCC  
 ACACACTCCCGTCACGCCGGGTGCTGCCTCCCTCTGCTCCTTCTCCAGCTCCCGCTCAGG  
 TTTCCACCGGCTCCNGCGCGGCAAGCGAGAGTCGGTGCCCAAGATGAGCTTCCGGGC  
 GGCCGACGCGCTGATGAAAGGCCCTCCGTTAGGGATGGACCTTTCGCCGGGCACAGCG  
 TCGAAGCTTCTCCAGCTAGCTTCTGNNAGGAGACACTGATTTCCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022450 unedited  
 TGGCAGCTAAACGCTTCCGNTCCTTTATTGGGCCATGAGGTGGTCGTAAGAAACAAGT  
 TAGAAGGTTATGACAGGAAGTAGTATAATAAATGCCCGGCAGTACGAGGGGTTCAACAGA  
 AGTGAACAAGGCACAAGAAAGAGGTCTGTGTTCCAGGAAACAGGCCAGTCCCACATGGAG  
 CAGGTGACTCCTGTAAGCCTGTGAGGCTCAGGGAGGTCGTGTCTGGCTCTGGCCTGCTGG  
 AGCACACGGCCGCTGGAGCCCGCAGCCAGCTCAGTGGAGCTGAGCGTCCAGTTCGTA  
 CTCACAGAACTTGTGAGTGAAGGGGATGCAGGTGAGGAACTCACACCACTCACAGCGGAC  
 AGGATAGACGTAGAAGAGGACCACCAGGCCAGCCAGGAGGCCAGGAAGACCACCTGAAA  
 GATGATGATCTGGCAGCGTTTCCGGTACAGGTGCAACTTGCCAAAGCTGATGTACGGCAA  
 GAAGGCGAAGGAGAGGAAGAGGCCACTGATGAACCCTGAGATGTGGGCAAAGTTGCAAT  
 CCACGGCCACAGCCCATAGGTGAAGAGGAAGAGCACACAGNCTGCAGCTTGAAGAAGGC  
 CACGCCAGGGCCCGCCAGGATCTGCCAGCTCTGGAGAGCTNCACGAAGAGGCAGGCCT  
 AGGATTCGAACTGGGAGCCAGCAGGACCCACCTTTGCTCGGTTTGGCAGGAAGATGGCA  
 CTGGCCACGCTGCCCGTACACCCCTTANCAGGTAGATGATTGTTATGCCTGGCCAACT  
 GCCAGCTTTTCCAGTCCCGCAGGAATTTATTTTGTAACTTATGGACACCAGCCGCGCAGA  
 TACTTGAAACCTTACCGGTCTCCTTATTGAAGTCCCCTTCTTAATTCAGTCTCCCGG  
 AGGGTACCCACCTCCCTTTGTCCAATCCCAAGGCGCCCCGATTATTACNNTTTGGCG  
 CGGCCGGCTNCCATCCCTCCTTTGCCCTG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022450

**Insert Size:**

2880 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).

<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>	<a href="#">NM_022450.2</a> , <a href="#">NP_071895.2</a>
<b>RefSeq Size:</b>	3053 bp
<b>RefSeq ORF:</b>	2568 bp
<b>Locus ID:</b>	64285
<b>UniProt ID:</b>	<a href="#">Q96CC6</a>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	Rhomboid
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Gene Summary:</b>	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]