

Product datasheet for **RN201047**

Rhbdf1 (NM_001030034) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhbdf1 (NM_001030034) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rhbdf1
Synonyms:	MGC124815
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201047 representing NM_001030034
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGAAGCCCGAGAGACAGTACTAGCAGTCTGCAACGCAAGAAACCCCGTGGCTCAAGTTGGACA
 TCCAGCTGTGGTGCCCCAGCAGCAGAAGAGCCAGCTTCTGCAGCCCTGCGGCGACAGGCTTTCCT
 GCGGAGTGTGAGTATGCCGGCTGAGACAGCCCGTGTCCCGTCACCCACCATGAGCTCGGCGGCTGGCG
 CTGCAGCGTCAGACATCCATCACGCAGACCATCCGCAGGGGGACAGCTGACTGGTTTGGAGTGAGCAAGG
 ACAGTGACAGCACCCAGAAGTGGCAGCGTAAGAGCATCCGTCAGTGCAGCCAGCGATATGGGAAGCTAAA
 GCCACAGTCCATCCGGGAGCTGGACCTGCCAGCCAGGACAATGTGTGCTGACCAGCACTGAGACACCG
 CCTCCACTCTATGTGGGGCCATGCCAGCTGGGAATGCAGAAGATCATAGACCCTCTGGCCCGAGGCCGGG
 CCTTCCGATGGCCGATGACACCGCCGATGGCCTGAGTGCCCGCCACACTCCCGTCACACCAGGTGCTGC
 CTCCTCTGTTTCTTCCAGCTCCCGCTCAGGTTTCAACCGGCTCCCTCGGCGTCGAAACGTGAATCC
 GTGGCCAAAGATGAGCTTCCGGGCGCTGCAGCGCTGGTGAAGGGTCGGTCTATTAGGGATGGCACTTTAC
 GAAGGGGACAGCGTCGGAGCTTTACTCCTGCCAGCTTCTGGAGGAAGACATGGTGGACTTCCCTGATGA
 GCTGGATACATCTTTCTTGGCCGGGAAGGTGTCTCCATGAGGAGCTGTCCACGTACCCAGATGAGGTG
 TTTGAGTCCCCATCAGAAGCAGCGCTCAAGGACTGGGAGAAAGCCCGGATCAGGAGACCTTACGGGTG
 GGGCCCTGGACCGCAGCGAGCTCGAGCGAAGCCACTTGATGTTACCCCTGGAACGAGGCTGGAGGAAGCA
 GAAGGAAGGCGGCACGCTAGCCCCGAGCCCAAGTGCGGCTTCGCCAGGAGGTGGTCAAGTGCAGTGGC
 CCCAGGAGGGTCAAGTATCGCTGTGCCAGTGCAGCAAGCTTTCGCCCGGAAAAACGGCCGATGGTC
 TGGGATGGTGGGACGGCTCACCAACCGCAGTACCGGAAACGGATTGACAGTACGTCAAGCGGCAGAT
 AGAAGACATGGATGATCACAGGCCCTTCTCACTTACTGGCTCACCTTCGTGCACTCCCTGGTCACCATT
 CTGGCTGTGTGTACTACGGCATCGCGCTGTGGGCTTCTCGCAGCAGGAGCGGTGGACTCGGTACTTC
 GGAAGCGGGGTGTCTATGAGAATGTCAAATACGTCCAGCAGGAGAACTTCTGGATTGGCCCCAGCTCGGA
 GGCCCTCATTACCTGGGTGCCAAGTTCTCCCCCTGCATGCGCCAGGACCCACAGGTGCACAACCTTATC
 CTTGCTGCCCGGAGCGTGAAAAGCACTCAGCCTGCTGTGTGCGCAATGACCGGTCTGGCTGTGTGCAGA
 CGTCGAAGGAGGAGTGTCTGTACGTTGGCAGTGTGGGTGAAGTGGCCGTTTATCCTAGTGTCCCGA
 CCTGGCAGGCAACAAGAGGCAGTTTGGTCTGTGTGCCACCAGGACCCAGGGTGTGTGATGAGCCTTCC
 TCTGAGGATCCCACGAGTGGCCAGAAGATATACCAAGTGGCCGATCTGCACCAAAAACAGCGCGGGGA
 ACCACACTAACCCCTCACATGGACTGTGTATAACGGGAGGCGCTGCTGCATCGGCACCAAGGGCAG
 GTGTGAGATCACCTCCCGGAGTACTGTGACTTATGAAGGGCTACTTCCATGAGGAGGCCACACTCTGC
 TCTCAGGTGCACTGCATGGACGATGTCTGTGGCCTCCTGCCTTTCCTCAATCCCGAGGTGCCTGACCAGT
 TCTACCGCTGTGGTGTCCCTTCTCTGCAGCGTGGGATCCTGCAGTGTGGTGTCCGTCTGCTTCCA
 GATGACGGTCTGCGGGACCTGGAGAAGCTGGCAGGCTGGCACCAGCATAGCCATCATCTACCTGTGAGC
 GGTGTACGGGCAATCTAGCCAGCGCCATCTTCTGCCGTACCGGGCAGAGGTAGGTCCGGCCGGCTCCC
 AGTTTGGTATCCTGGCCTGTCTCTTTGTGGAGCTATTCCAGAGCTGGCAGATCCTGGCCCGACCTGGCG
 TGCCTTCTCAAGCTCCTGGCCGTGGTGTCTTCTCTTTGCCTTGGGCTGCTGCCCTGGATCGACAAC
 TTGGCCACATCTCAGGTTTCGTACGCGCCTTCTCTTTCTTTGCCTTCTGCCTTACATCAGCTTTG
 GCAAGTTCGACCTGTACCGCAAGCGTTGCCAGATCATCATCTTCCAGGCCGTCTTCTGGCCCTGTGGC
 CGGCTGGTGGTCTTCTATTTCTACCCAGTGCCTGTGAATGGTGTGAGTTCCTCACCTGCATCCCC
 TTCACAGACAAGTTCTGTGAGAAGTACGAGCTGGATGCTCAGCTCCATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001030034
Insert Size: 2571 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>NM_001030034.1</u> , <u>NP_001025205.1</u>
RefSeq Size:	2943 bp
RefSeq ORF:	2571 bp
Locus ID:	303008
UniProt ID:	<u>Q499S9</u>
Cytogenetics:	10q12
Gene Summary:	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]