

Product datasheet for **RN217500**

Ddb1 (NM_171995) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddb1 (NM_171995) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ddb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217500 representing NM_171995 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTACAACACTACGTCGTAACGGCGCAGAAGCCTACCGCAGTGAACGGCTGTGTGACCGGACACTTTA
CTTCAGCGGAAGACTTGAACCTGTTGATTGCTAAAAACACAAGATTAGAGATCTATGTGGTCACCGCAGA
AGGCCACGGCCAGTCAAAGAGGTGGGGATGTATGGGAAGATCGCAGTTATGGAGCTCTTCAGACCCAAG
GGGAGAGTAAAGACCTGCTGTTTCATCTTGACTGCTAAGTACAATGCCTGCATCCTGGAGTATAAGCAGA
GTGGTGAAGCATTGATATCATTACAAGGGCCCATGGCAATGTCCAGGACCGTATTGGTCCGCCCTCAGA
GACTGGCATCATTGGCATCATTGACCCTGAGTGCCGATGATTGGCCTCCGACTCTACGATGGCCTTTTC
AAGGTCATTCCACTAGACCGAGACAATAAAGAGCTCAAGGCCTTAACATCCGCCTAGAAGAATTGCATG
TCATCGATGTCAAGTTCCTGTATGGTTGTCAAGCGCCTACCATTGCTTTGTCTACCAGGATCCTCAGGG
GCGGCACGTGAAAACCTATGAGGTGTCTCTTCGGGAGAAGGAGTTCAACAAGGGCCCTTGAAGCAGGAG
AATGTAGAAGCCGAAGCTTCAATGGTGATCGCAGTCCCGAGCCTTTTGGAGGTGCCATCATCATTGGAC
AGGAGTCAATTACCTATCACAATGGTGATAAATACCTGGCAATCGCTCCTCCTATCATTAAAGCAAAGCAC
TATTGTGTGCCATAACCGGGTGGATCCTAATGGCTCACGGTACCTTCTGGGAGATATGGAAGGACGGCTT
TTCATGCTGCTCTTAGAGAAGGAGGAGCAGATGGATGGCACCGTCAACCTCAAGGACCTTCGAGTGGAAAC
TCCTTGGAGAGACCTCCATTGCAGAGTGCCTAACATATCTTGATAACGGTGTGTGTTTGTCCGGTCTCG
CCTGGGTGATTCCCAGCTCGTAAAGCTCAATGTGACAGCAATGAACAAGGCTCCTATGTAGTGGCTATG
GAAACCTTTACCAACTTAGGACCATTTGGATATGTGTGTGGTGGACCTGGAGAGGCAGGGACAGGGTC
AGCTGGTCACTTGCTCTGGAGCTTTCAAGGAAGGTTCTTGGCGATCATCCGGAACGGAATTGGAATCCA
TGAGCATGCCAGCATTGACTTACCAGGCATCAAAGGTTTATGGCCACTGCGGTCTGACCCAAGTCCGGAG
AAGAAAACAGAATTGATGGCTTTGTGGACGATCAGCAGACTTTCTTTTGGCGCAATGTGGCTCATCAGCA
GCTTATCCAGATCACCTCAGCGTCTGTAAGGTTGGTCTCTCAAGAGCCAAAGCTTTGGTCAAGGAGTGG
AAGGAGCCCCAGGGCAAGAACATCAGTGTGGCCTCCTGTAACAGCAGCCAGGTGGTGTGCTGTGGGAA
GGGCACTATACTATCTTCAGATCCATCCTCAGGAGCTCCGGCAAATCAGCCACACAGAGATGGAACATGA
AGTGGCTTGTGGATATCACCCACTAGGAGAGCAATGGCCTGTCCCACTTTGTGCCATTGGTCTC



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TGGACAGATATTTTCAGCTCGTATCTTGAAGCTCCCATCCTTTGAACTACTGCACAAGGAGATGCTGGGTG
 GAGAGATCATCCCTCGATCTATCCTGATGACCACTTTTGAGAGCAGCCACTACCTCCTTTGTGCCTTGGG
 AGATGGGGCTCTCTTCTACTTTGGGCTCAACATAGAGACAGGCTTACTGAGTGACCGTAAAAAGGTGACT
 TTGGGTACCCAGCCCACGGTGTGAGGACATCCGTTCTCTTTCTACCACCAACGTCTTTGCTTGCTCAG
 ACCGGCCCACTGTCATCTATAGCAGCAATCATAAGTTGGTCTTCTCCAATGTTAACCTCAAGGAGGTGAA
 CTATATGTGTCTCTCAACTCAGATGGCTATCCTGACAGTCTGGCATTGGCCAATAACAGCACTCTCACC
 ATTGGCACCATCGATGAGATCCAGAACTCCATATTCGCACGGTTCCTCTCTATGAATCTCCAGGAAGA
 TCTGTTATCAGGAAGTGTCTCAGTGCTTTGGGGTCTTTCCAGCCGATTGAAGTTCAAGATACCCAGTGG
 AGGCACTACTGCTTTGAGGCCAGTGCTAGCACCCAGGCCCTGTCCAGCAGCGTCAGCTCCAGCAAGCTC
 TTCTCTAGTAGTACGGCTCCTCACGAGACCTCCTTTGGAGAAGAGGTGGAAGTGCACAACCTCCTCATCA
 TTGACCAGCATACTTTTGAAGTGCTTCATGCCATCAGTTTCTACAAAATGAGTATGCCCTCAGCCTGGT
 CTCCTGCAAAATGGGTAAGACCCCAACACATACTTCATTGTGGGCACAGCCATGGTATATCCTGAAGAG
 GCGGAGCCCAACAGGGTCGATTGTGGTCTTCCAGTATTCGGATGGAAGTACAGACTGTGGCCGAAA
 AGGAAGTAAAGGGGGCTGTACTCTATGGTGGAGTTAATGGGAAGCTGCTTGCTAGCATCAACAGCAC
 GGTGCGGCTCTATGAATGGACCACAGAAAAGAACTTCGCACTGAGTGAATCACTACAACAACATCATG
 GCCTGTACCTGAAGACCAAGGGCGACTTCATCCTGGTGGCGACCTCATGCGATCAGTGCTACTGCTTG
 CCTACAAGCCTATGGAAGGAACTTTGAAGAGATTGCCCGAGACTTTAATCCCAACTGGATGAGTGCAGT
 GGAGATCTTGGATGATGACAATTTCTGGGAGCTGAGAATGCCTTTAACTTGTGTTGTGTGTCAGAAGGAC
 AGTGCTGCCACCACTGATGAGGAGCGGCAGCACCTACAGGAGGTTGGTCTCTTCCACCTGGGCGAGTTTG
 TCAATGTGTTCTGCCATGGCTCCCTAGTTATGCAGAATCTGGGCGAGACTTCTACCCCTACCCAGGGCTC
 GGTGCTCTTTGGCACAGTCAACGGCATGATAGGGCTGGTACCTCACTGTGCGAGAGCTGGTACAACCTC
 CTGTTGGACATGCAGAACCGACTCAATAAGGTCATCAAAAGTGTGGCAAGATTGAGCACTCCTTCTGGA
 GATCCTTTACACTGAGCGAAAGACAGAACCCAGCCACAGGCTTCATCGATGGTGCCTGATTGAAAGTTT
 CCTAGATATCAGCCGCCCAAGATGCAGGAGTTGTGGCAAACCTTCAGTATGATGATGGCAGTGGTATG
 AAGCGGGAGGCAACTGCAGATGACCTCATCAAAGTCGTGGAGGAGCTAACTCGGATCCATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_171995
- Insert Size:** 3423 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:**
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_171995.2](#), [NP_741992.2](#)
RefSeq Size: 4260 bp
RefSeq ORF: 3423 bp
Locus ID: 64470
Cytogenetics: 1q43
Gene Summary: may be a DNA damage repair protein [RGD, Feb 2006]