

Product datasheet for **RN216088**

Dbp (NM_001289982) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dbp (NM_001289982) Rat Untagged Clone
Tag: Tag Free
Symbol: Dbp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216088 representing NM_001289982
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGCTCTGAGCGACAGGACCCCGGGCCCTGTGCTGGGTGGCCCGGCTGGGGCCCCCTG
GCGGGGAGCGCTGCTTGGCTGAGGAGCCTTCTGCAGGAAACAGCAAGCCAAAGAACCGCCAGCTG
TCTCCTGAAGAAAAGGAGCGCAAGGCAACTTGCCTCAGCCCCGTCCCGGACCCGCTGGAACG
GCGGGCCAGCGGATGCCCAACTGGGGCGTTAGTGGCGGCTTGACCTCTAGGGACACACCCAGTCCTG
TGGACCCAGACACCGTGGAGGTGCTAATGACCTTTGAACCTGATCCGGCTGATCTTGCCCTGTCAAGCAT
TCCAGGCCATGAGACTTTTGACCCTCGGAGGCACCGCTTCTCAGAGGAGGAATTGAAGCCTCAGCCAATC
ATGAAGAAGGCAAGGAAAGTCCAGGTGCCCGAGGAACAGAAGGATGAGAAGTACTGGAGCCGGAGGTACA
AGAACAATGAAGCAGCCAAGAGGTGAGAGACGCAAGAAGACTCAAGGAGAACCAGATATCTGTGCGGGC
AGCCTTCTGGAGAAGGAAAACGCCCTATTGCGGCAGGAGGTGGTGGCTGTGCGGCAGGAGCTGTCCAC
TACCGTGCTGTGCTTTCACGCTACCAGGCCAACACGGGACACTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289982
Insert Size: 678 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).



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| 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: | <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_001289982.1</u> , <u>NP_001276911.1</u> |
| RefSeq Size: | 1360 bp |
| RefSeq ORF: | 678 bp |
| Locus ID: | 24309 |
| Cytogenetics: | 1q22 |
| Gene Summary: | <p>The protein encoded by this gene is a member of the Par bZIP transcription factor family and binds to specific sequences in the promoters of several genes, such as albumin, Cyp2a4, and Cyp2a5. The encoded protein can bind DNA as a homo- or heterodimer and is involved in the regulation of some circadian rhythm genes. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |