

Product datasheet for RN207574

Dbp (NM_012543) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dbp (NM_012543) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Dbp
 Synonyms: MGC105474
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN207574 representing NM_012543
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGCCTCTGAGCGACAGGACCCCGGGCCCCCTGCTGCTGGGTGGCCGGCTGGGGCCCCCTG
 GCGGGGAGCGCTGCTTGGGCTGAGGAGCCTTCTGCAGGAAACAGCAAGCCAAAGAACCGCCAGCTG
 TCTCCTGAAGAAAAGGAGCGCAAGGCAACTCTGCCCTCAGCCCCGTCGCCGGACCCGCTCTGAAACG
 GCGGGCCAGCGGATGCCCAACTGGGGCGTTAGTGGCGGTGGTCCCCTCGGGGCGCTCAGGGCCTG
 TGGCTGGCCGAGTCTTTTTCGCGCGTCTGTGGGAACGCACCTTGCCTTTCGGGGACGTGGAATACGT
 GGACCTGGACGCCTTCTTGTGGAGCACGGCTACCGCCGAGCCCGCCCGCCCGGGGGCTGTGCCG
 GCACCTCTCCAGCGCGCACTCCCGCGCCTCCCCGGGCCCCGGCTTTGCAGCTCCTTCCCCCGCT
 CCTCGCCCGGCACGCCCCCGCGGGCCACTCTGGGAGCCGCGGGCCACCGCGCAGGCTTGACCTC
 TAGGGACACCCAGTCTGTGGACCCAGACACCGTGGAGGTGCTAATGACCTTTGAACCTGATCCGGCT
 GATCTTGCCTGTCAAGCATTCCAGGCCATGAGACTTTTGACCTCGGAGGCACCGCTTCTCAGAGGAGG
 AATTGAAGCCTCAGCCAATCATGAAGAAGCAAGGAAAGTCCAGGTGCCCGAGGAACAGAAGGATGAGAA
 GTACTGGAGCCGGAGGTACAAGAACAATGAAGCAGCCAAGAGGTGAGAGACGCAAGAAGACTCAAGGAG
 AACCAGATATCTGTGCGGCAGCCTTCTGGAGAAGGAAAACGCCCTATTGCGGCAGGAGTGGTGGCTG
 TGCGGCAGGAGCTGTCCCACTACCGTGTGTGCTTTCACGCTACCAGGCCAACACGGGACACTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_012543



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Insert Size:	978 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:	NM_012543.3 , NP_036675.1
RefSeq Size:	1660 bp
RefSeq ORF:	978 bp
Locus ID:	24309
UniProt ID:	P16443
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 (1) represents the longest transcript and encodes the longest 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>