

Product datasheet for **RG202051**

D Box Binding Protein (DBP) (NM_001352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	D Box Binding Protein (DBP) (NM_001352) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	D Box Binding Protein
Synonyms:	DABP; taxREB302
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202051 representing NM_001352 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCCTGTGAGCGACAGGACCCCGCCCTCTGCTGCTGGGCGGCCCGCCGGGACACCCCTG
GCGGGGAGCGCTGTTGGTTGCGGAGCCTTCTGCAGGGACCAGCAAGCCAAAGAGCCGCCAGCTG
TCTCCTGAAGAAAAGGAGCGCAAGGCGGCCCTGCCTGCAGCCACAACCCTGGCCAGGCTGGAGACT
GCGGGCCCGCGGATGCCCGGCTGGGGCAGTGGTGGGCGGAGGGTCCCCGCGGGGCGCCCGGGCCGG
TGCCCGCCCGGGTCTGTTGGGCCACTGCTGTGGGAGCGCACGCTGCCGTTTCGGCGATGTGGAGTACGT
AGACCTGGACGCCTTCTGCTGGAGCACGGCTCCCGCCAGCCCGCCCGCCCGGTTGGCCCGTCCCGC
GAGCCGTGCGCCGCGGACGCCCGCACCTCCCAGGGCCGGTTCGTGCGGCTCGGCTTCCCCCGCT
CCTCTCCTGGGCACGCCCGCCCGGGCTGCCCTCGGGACCGCCAGCGGCCACCGCGCAGGCTGACCTC
TCGGGACACCCAGCCCTGTGGACCCAGACCCGTGGAGGTGTTGATGACCTTTGAACCCGACCCAGCT
GATCTTGCCATCAAGCATTCTGGCCACGAGACCTTTGACCTCGAAGACATCGCTTCTCAGAAGAGG
AACTTAAGCCCCAGCCAATCATGAAGAAGGCAAGAAAAATCCAGGTGCCGGAGGAGCAGAAGGATGAGAA
ATACTGGAGCCGGCGGTACAAGAACAACGAGGCAGCCAAGCGGTCCCGTGACCCCGCGGCTCAAGGAG
AACCAGATATCGGTGCGGGCGGCCTTCTGGAGAAGGAGAACGCCCTGCTGCGGCAGGAAGTTGTGGCCG
TGCGCCAGGAGCTGTCCACTACCGCGCCGTGCTGTCCCGATACCAGGCCAGCACGGGGCCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG202051 representing NM_001352
 Red=Cloning site Green=Tags(s)

MARPVSDRTPAPLLLGGPAGTPPGGGALLGLRSLQGTSKPKEPASCLLKEKERKAALPAATTPGPGLET
 AGPADAPAGAVVGGGSPRGRPGVPAPGLLAPLLWERTLPFGDVEYVDLDAFLLEHGLPPSPPPGGPSP
 EPSPARTPAPSPGPGSCGSASPRSSPGHAPARAALGTASGHRAGLTSRDTPSPVDPDTVEVLMTFEPDPA
 DLALSSIPGHETFDRRRHRFSEEELKPQIMKKARKIQVPEEQKDEKYWSRRYKNNNEAAKRSRDARRLKE
 NQISVRAAFLEKENALLRQEVVAVRQELSHYRAVL.SRYQAQHGAL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001352

ORF Size: 975 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001352.5](#)

RefSeq Size: 1478 bp

RefSeq ORF: 978 bp

Locus ID: 1628

UniProt ID: [Q10586](#)

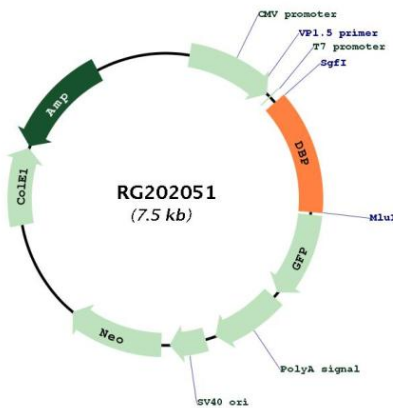
Cytogenetics: 19q13.33

Domains: BRLZ

Protein Families: Transcription Factors

Gene Summary: 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. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG202051