

Recombinant Human DBP, GST-tagged

Cat. No. DBP-11846H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DBP protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-325a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DBP D site of albumin promoter (albumin D-box) binding protein [Homo sapiens]
Official Symbol	DBP

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Synonyms	DBP; D site of albumin promoter (albumin D-box) binding protein; D site-binding protein; DABP; taxREB302; albumin D box-binding protein; albumin D-element-binding protein; tax-responsive enhancer element-binding protein 302;
Gene ID	1628
mRNA Refseq	NM_001352
Protein Refseq	NP_001343
MIM	124097
UniProt ID	Q10586
Chromosome Location	19
Pathway	BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II regulatory region sequence-specific DNA binding; protein dimerization activity;