

## Recombinant Human DBP, GST-tagged

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

### SPECIFICATION

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

### GENE INFORMATION

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

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | 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;                                |
| <b>Gene ID</b>             | <a href="#">1628</a>                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_001352</a>                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_001343</a>                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | <a href="#">124097</a>                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">Q10586</a>                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 19                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem;                                                                                                                                    |
| <b>Function</b>            | 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; |