D Site-Binding Protein (DBP) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	D site-binding protein (DBP), Recombinant Protein
Full Product Name	Recombinant Human D site-binding protein (DBP)
Product Gene Name	DBP recombinant protein
Product Synonym Gene Name	DBP
Sequence	MARPVSDRTP APLLLGGPAG TPPGGGALLG LRSLLQGTSK PKEPASCLLK EKERKAALPA ATTPGPGLET AGPADAPAGA VVGGGSPRGR PGPVPAPGLL APLLWERTLP FGDVEYVDLD AFLLEHGLPP SPPPPGGPSP EPSPARTPAP SPGPGSCGSA SPRSSPGHAP ARAALGTASG HRAGLTSRDT PSPVDPDTVE VLMTFEPDPA DLALSSIPGH ETFDPRRHRF SEEELKPQPI MKKARKIQVP EEQKDEKYWS RRYKNNEAAK RSRDARRLKE NQISVRAAFL EKENALLRQE VVAVRQELSH YRAVLSRYQA QHGAL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	34,349 Da
Sequence Positions	1-325, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	124097
3D Structure	ModBase 3D Structure for Q10586
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DBP recombinant protein	MBS1342192 is a recombinant protein targeting DBP. Also known as Recombinant Human D site-binding protein (DBP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DBP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DBP. It may not necessarily be applicable to this product.

NCBI GI #	31542493
NCBI GeneID	1628
NCBI Accession #	NP_001343.2
UniProt Primary Accession #	Q10586

UniProt Secondary Accession #	A2I2P4
UniProt Related Accession #	Q10586
GenBank Nucleotide #	NM_001352.4
NCBI Official Full Name	D site-binding protein
NCBI Official Synonym Full Names	D-box binding PAR bZIP transcription factor
NCBI Official Symbol	DBP
NCBI Official Synonym Symbols	DABP; taxREB302
UniProt Protein Name	D site-binding protein
UniProt Synonym Protein Names	Albumin D box-binding protein; Albumin D-element-binding protein; Tax-responsive enhancer element-binding protein 302; TaxREB302
Protein Family	D site-binding protein
UniProt Gene Name	DBP
UniProt Synonym Gene Names	TaxREB302
NCBI Protein Information	D site-binding protein
NCBI Summary for DBP	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]
UniProt Comments for DBP	This transcriptional activator recognizes and binds to the sequence 5'-RTTAYGTAAY-3' found in the promoter of genes such as albumin, CYP2A4 and CYP2A5. It is not essential for circadian rhythm generation, but modulates important clock output genes. May be a direct target for regulation by the circadian pacemaker component clock. May affect circadian period and sleep regulation.
Research Articles on DBP	**1.** the expression of DBP and MAPK in epilepsy patients was upregulated, suggesting a possible pathogenetic role in IE.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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