

Vitamin D Binding Protein (DBP) Recombinant Protein | DBP recombinant protein

Recombinant Vitamin D Binding Protein (DBP)

CATALOG # AAA134055	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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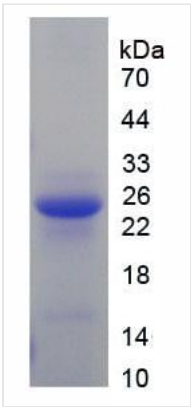
PRODUCT SYNONYMS

Vitamin D Binding Protein (DBP); Recombinant Vitamin D Binding Protein (DBP); DBP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHH HHSQS-QMKH LSLTMSNR VCSQYAYGK EKSRLSHLIK LAQKVPTANL ENVLPLAEDF TEILSRCCES TSEDCMASEL PEHTIKICQN LSKKNSKFEE CCQENTPMNI FMCTYFMPAA EPLQLPAIKL PTGKDLGQS TTQAMDQYTF ELSRRTQVPE VFLSKVLEPT LKTLRECCDT QDSVACFSTQ SPLLRQLTS FIEKG
Sequence Length	476
Applicable Applications for DBP recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gln205~Gly403 (Accession # P21614) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



QMKHLS LLTMSNRVC SQYAAYGKEK SRLSHLIKLA QKVPTANLEN
VLPLAEDFTE ILSRCCESTS EDCMASELPE HTIKICQNLS KKNSKFEECC
QENTPMNIFM CTYFMPAAEP LQLPAIKLPT GKDLGQSTT QAMDQYTFEL
SRRTQVPEVF LSKVLEPTLK TLRECCDTQD SVACFSTQSP LLKRQLTSFI
EKG

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	51172612
NCBI GeneID	14473
NCBI Accession #	NP_032122.1
NCBI GenBank Nucleotide #	NM_008096.2
UniProt Accession #	P21614; Q7TS97; Q91XG1; Q9CY31
Molecular Weight	23.7kDa
NCBI Official Full Name	vitamin D-binding protein
NCBI Official Synonym Full Names	group specific component
NCBI Official Symbol	Gc
NCBI Official Synonym Symbols	DBP; VDB
NCBI Protein Information	vitamin D-binding protein; gc-globulin
UniProt Protein Name	Vitamin D-binding protein
UniProt Gene Name	Gc
UniProt Synonym Gene Names	DBP; VDB
UniProt Entry Name	VTDB_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.