

# Recombinant Vitamin D Binding Protein (DBP) Instruction Manual

## SIPB184Mu03

### Mus musculus (Mouse)

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Secreted
<b>Predicted Molecular Mass</b>	81.9kDa
<b>Accurate Molecular Mass</b>	82kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Leu17~Ser476 with N-terminal His and GST Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose .
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	5.7
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
                LERG RDYEKDKVCN ELAMLGKEDF RSLSLILYSR
KFSSTFEQV  NQLVKEVVS L TEECCAEGAD PTCYDTRTSE LSVKSCESDA
PFPVHPGTPE CCTKEGLERK LCMAALSHQP QEFPTYVEPT NDEICEAFRR
DPKGFADQFL YEYSSNYGQA PLPLLVA YTK NYLSMVGSCC TSANPTVCFV
KERLQMKHLS LLTTMSNRVC SQYAAYGKEK SRLSHLIKLA QKVPTANLEN
VLPLAEDFTE ILSRCCES TS EDCMASELPE HTIKICQNLS KKNSKFEECC
QENTPMNIFM CTYFMPAAEP LQLPAIKLPT GKDLGGQSTT QAMDQYTFEL
SRRTQVPEVF LSKVLEPTLK TLRECCDTQD SVACFSTQSP LLKRQLTSFI
EKGQEMCADY SENTFTEYKK KLAERLR TKT PNTSPAELKD MVEKHSDFAS
KCCSINSPPL YCSSQIDAEM IDTLQS
```

Figure. SDS-PAGE

### USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.  
Do not vortex.

## STORAGE

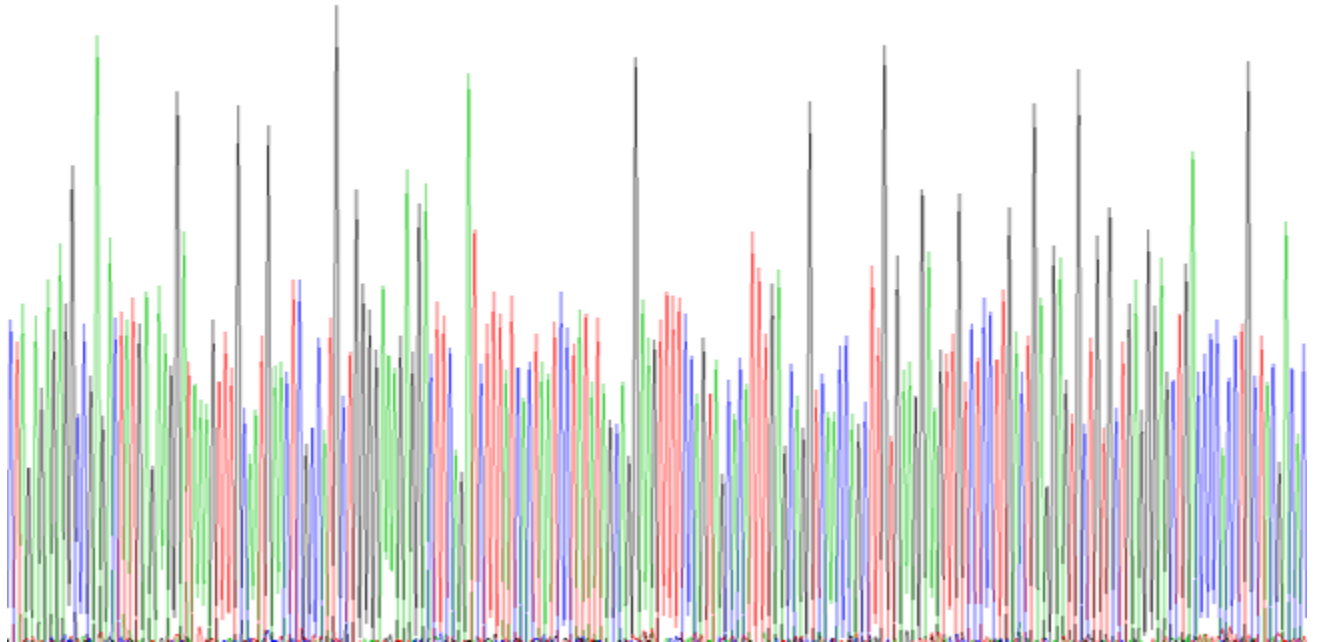
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image

CTGGCGAGCTCGAGTATGAGAGGCTTAGTTGGATTGACTGCGCTGGTCGCGGAGGAGGCTTCAGATCTTATTCTTAATCTCTGATGATGAGCAGTTTTCGATTGACATTGAGCGCTGACGCTTGAGGAGGTGGCTCTCTGAGGAGTCTGTGCTGAGCGAGCTGACCGCTGCTGGAGG  
L ERGRDYEKDKVCNELAKLIGKEDFRSLISLILYSRKFSSSTFEQVWQLVKEVVSLSITECCAEGADPTCYDT



SDS-PAGE Image

## [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.