

RPB472Bo01 100µg

Recombinant Alkaline Phosphatase (ALP)

Organism Species: *Bos taurus*; Bovine (Cattle)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Leu18~Arg335

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 7.3

Predicted Molecular Mass: 39.2kDa

Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

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

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[SEQUENCE]

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LVP EKEKDPKYWR DQAQQLKNA LRLQTLNTNV
AKNVIMFLGD GMGVSTVTAA RILKGQLHHS PGEETKLEMD KFPYVALSKT
YNTNAQVPDS AGTATAYLCG VKANEGTVGV SAATQRSQCN TTQGNEVTSI
LRWAKDAGKS VGIVTTTRVN HATPSASYAH SADRWDYSDN EMPPEALSQG
CKDIAYQLMH NIKDIEVIMG GGRKYMFPKN RTDVEYELDE KARGTRLDGL
NLIDIWKSFK PKHKHSHYVW NRTDLLALDP HSDVYLLGLF EPGDMQYELN
RNNATDPSLS EMVEMAIRIL NKNPKGFFLL VEGGR
    
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[IDENTIFICATION]

TTTAGTCCCGAGAAAGGAAAGTCCAGTACTGGGAGACCAACTCAGCAGACCTGANNATGCOCTGAGGCTTCAGACTTCAGACCCAGCTGGGCTTAGAACGTCATCATGTTCTGGGAGACGATATGGGCTGTCCACCTGACAGCTGCCCACTCTCAAGGAGCTCCACCAAGCCTGGGAGAGGACCAAGCTGGAGATGGACAG
LVPEEKEKDPKYWRDQAQQLKNA LRLQTLNTNVAKHNYIMFLGDGMGVSTVTAAARILKQLHHS PGEETKLEMDK I

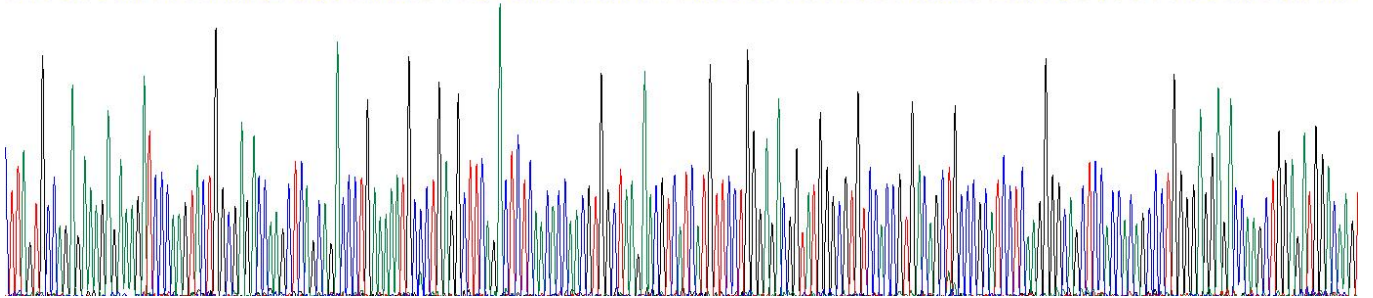


Figure. Gene Sequencing (Extract)

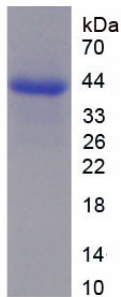


Figure. SDS-PAGE

[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.