

RPA007Bo01 10µg

Recombinant Angiogenin (ANG)

Organism Species: Bos taurus; Bovine (Cattle)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ala24~His148

Tags: N-terminal His-Tag

Tissue Specificity: Liver.

Subcellular Location: Secreted.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 9.2

Predicted Molecular Mass: 15.9kDa

Accurate Molecular Mass: 18kDa 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]

AQDDYRY IHFLTQHYDA KPKGRNDEYC
 FNMMKNRRLT RPCKDRNTFI HGKNDIKAI CEDRNGQPYR GDLRISKSEF
 QITICKHKGG SSRPPCRYGA TEDSRVIVVG CENGLPVHFD ESFITPRH

[IDENTIFICATION]

TGCTCAGAGTGTCTACAGATACATAGCTTCTCTGAGCCAGGCTACAGTSGCCAAACAAAGGCGGAGATGTCGATATTGTGTTTACACGATGAAATGGCGCTGACCAAGCTTGCAGAGCCGACACGCTTTATTCATGSCAMCAGATGACATCAAGGSCATCTGTGAGCGAATGAGACGCT
 A Q D D Y R Y I H F L T Q H Y D A K P K G R N D E Y C F N T M K N R R L T R P C K D R N T F I H G N K N D I K A I C D D R N G Q P

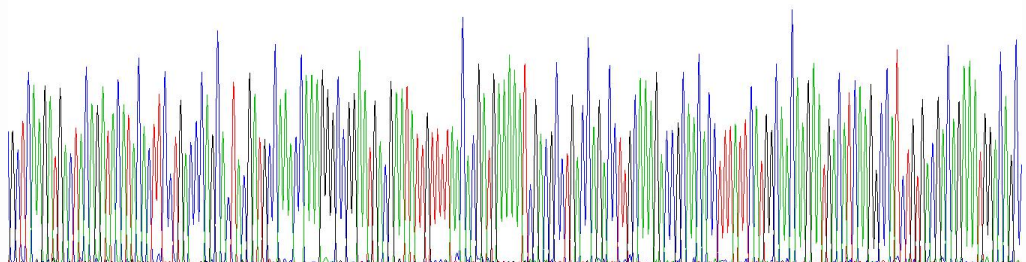


Figure 1. Gene Sequencing (Extract)

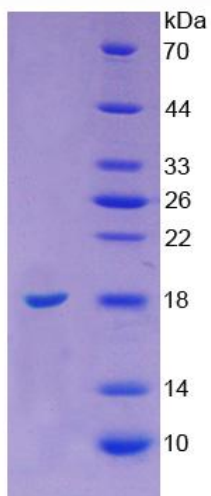


Figure 2. SDS-PAGE