

RPB254Mu01 200ug

**Recombinant Angiostatin (ANG)** 

Organism Species: Mus musculus (Mouse)

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: Val98~Trp436

Tags: N-terminal His Tag

Subcellular Location: Secreted

**Purity:** > 97%

Traits: Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 80µg/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: 5.4

Predicted Molecular Mass: 39.8kDa

**Accurate Molecular Mass:** 60kDa as determined by SDS-PAGE reducing conditions.

#### Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

- 1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

## [ <u>USAGE</u> ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.125 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]

```
VYL
SECKTGIGNG YRGTMSRTKS GVACQKWGAT FPHVPNYSPS THPNEGLEEN
YCRNPDNDEQ GPWCYTTDPD KRYDYCNIPE CEEECMYCSG EKYEGKISKT
MSGLDCQAWD SQSPHAHGYI PAKFPSKNLK MNYCRNPDGE PRPWCFTTDP
TKRWEYCDIP RCTTPPPPPS PTYQCLKGRG ENYRGTVSVT VSGKTCQRWS
EQTPHRHNRT PENFPCKNLE ENYCRNPDGE TAPWCYTTDS QLRWEYCEIP
SCESSASPDQ SDSSVPPEEQ TPVVQECYQS DGQSYRGTSS TTITGKKCQS
WAAMFPHRHS KTPENFPDAG LEMNYCRNPD GDKGPW
```

## [ IDENTIFICATION ]

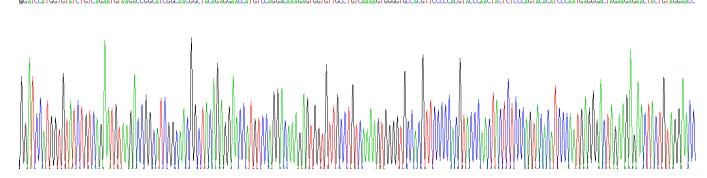


Figure . Gene Sequencing (extract)

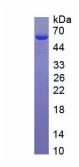


Figure. SDS-PAGE



# [ 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.