

# Recombinant human Angiogenin protein

Catalog Number: ATGP2604

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

25-147aa

### UniProt No.

P03950

### NCBI Accession No.

NP\_001136

### Alternative Names

Angiogenin ribonuclease RNase A family 5, Angiogenin, ribonuclease, RNase A family, 5, ALS9, HEL168, MGC22466, MGC71966, RNASE4, RNASE5

## PRODUCT SPECIFICATION

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### Molecular Weight

16.4 kDa (144aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

ANG, as known as Angiogenin, belongs to RNase A family. This protein is an exceedingly potent mediator of new blood vessel formation. It hydrolyzes cellular tRNAs resulting in decreased protein synthesis and is similar to pancreatic ribonuclease. Recombinant human ANG protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

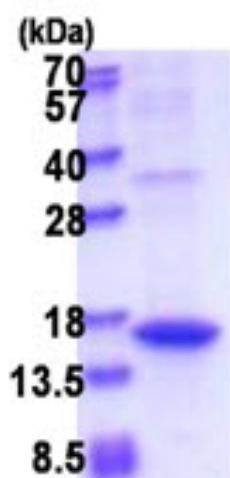
<MGSSHHHHHH SSGLVPRGSH M>QDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC KDINTFIHGN  
KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVACEN GLPVHLDQSI FRRP

## General References

Kuwahara A. et al. (2012) Biosci Trends. 6:229-633.  
Neubauer-Geryk J. et al. (2012) Microvasc Res. 84:387-389.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)