Recombinant human Angiogenin protein

Catalog Number: ATGP2604

PRODUCT INFORMATION

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

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

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

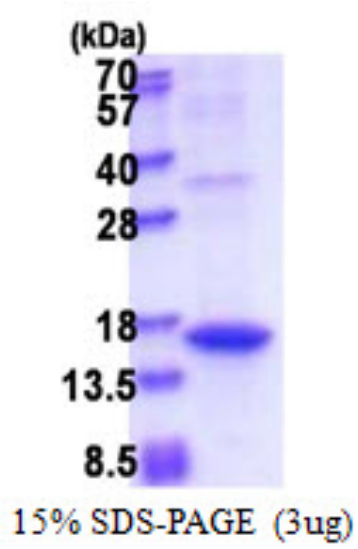
<MGSSHHHHHH SSGLVPRGSH M>QDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC KDINTFIHGN KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVVACEN GLPVHLDQSI FRRP

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



15% SDS-PAGE (3ug)

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