

## Recombinant Human ANG, His-tagged

**Cat. No.** ANG-5108H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ANG protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
<b>Molecular Mass</b>	16.4 kDa(144aa)
<b>AA Sequence</b>	MGSSHHHHHHH SSGLVPRGSH MQDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC KDINTFIHGN KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVVACEN GLPVHLDQSI FRRP
<b>Purity</b>	>90% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot

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and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** ANG angiogenin, ribonuclease, RNase A family, 5 [ Homo sapiens ]

**Official Symbol** ANG

**Synonyms** ANG; angiogenin, ribonuclease, RNase A family, 5; angiogenin; RNASE5; RNase 5; ribonuclease 5; epididymis luminal protein 168; ALS9; HEL168; RNASE4; MGC22466; MGC71966;

**Gene ID** 283

**mRNA Refseq** NM\_001097577

**Protein Refseq** NP\_001091046

**MIM** 105850

**UniProt ID** P03950

**Chromosome Location** 14q11.1-q11.2

**Function** DNA binding; actin binding; copper ion binding; endonuclease activity; heparin binding; hydrolase activity; pancreatic ribonuclease activity; peptide binding; protein binding; rRNA binding; receptor binding; ribonuclease activity;

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