

Recombinant Human angiogenin, ribonuclease, RNase A family, 5, His-tagged

Cat. No. ANG-507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANG, 25-147aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	25-147 a.a.
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	16.4 kDa(144aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MQDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC KDINTFIHGN KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVVACEN GLPVHLDQSI FRRP
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. 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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