

## Angiogenin Protein, Human

Cat. No.:	HY-P7503
Synonyms:	rHuAngiogenin; ANG; RNASE5; Angiogenin
Species:	Human
Source:	E. coli
Accession:	P03950 (Q25-P147)
Gene ID:	283
Molecular Weight:	Approximately 14.0 kDa

### PROPERTIES

AA Sequence	<p>Q D N S R Y T H F L    T Q H Y D A K P Q G    R D D R Y C E S I M    R R R G L T S P C K</p> <p>D I N T F I H G N K    R S I K A I C E N K    N G N P H R E N L R    I S K S S F Q V T T</p> <p>C K L H G G S P W P    P C Q Y R A T A G F    R N V V V A C E N G    L P V H L D Q S I F</p> <p>R R P</p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PBS, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>Angiogenin (Ang) is one of the members of the pancreatic ribonuclease (RNase) superfamily that have unusual biological properties. The amino acid sequence of angiogenin revealed that it was homologous to RNase A. It shares 33% sequence identity with the bovine enzyme, including counterparts to the two histidines and one lysine that constitute the catalytic active site. It belongs to the pancreatic RNase superfamily of proteins and is specifically endocytosed by endothelial cells and transported to the nucleus, where it accumulates in the nucleolus.</p>
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## REFERENCES

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[1]. Angiogenin.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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