



# LKT Laboratories, Inc.

## Angiogenin

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### Product Information

**Product ID** A5228

**CAS No.** 97950-81-7

**Chemical Name**

**Synonym** Angiogenic factor (human adenocarcinoma HT-29)

**Formula**

**Formula Wt.** 14.4 kDa

**Melting Point**

**Purity** ≥98%

**Solubility** Soluble in water.

Ser-Leu-Arg-Arg-Ser-Ser-Cys-  
Phe-Gly-Gly-Arg-Met-Asp-Arg-  
Ile-Gly-Ala-Gln-Ser-Gly-Leu-Gly-  
Cys-Asn\_Ser-Phe-Arg-Tyr  
(Disulfide bridge Cys7-Cys23)

### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
A5228	500 µg	\$382.90
A5228	1 mg	\$584.00

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Angiogenin is a small protein that exhibits pro-angiogenic activity. Angiogenin stimulates development of new blood vessels and cleaves RNA similarly to RNase enzymes. Angiogenin binds actin on endothelial cells, increasing protease production and degrading basement membrane connective tissues to allow cell migration and invasion.

**References** Gao X, Xu Z. Mechanisms of action of angiogenin. Acta Biochim Biophys Sin (Shanghai). 2008 Jul;40(7):619-24. PMID: 18604453.

Tello-Montoliu A, Patel JV, Lip GY. Angiogenin: a review of the pathophysiology and potential clinical applications. J Thromb Haemost. 2006 Sep;4(9):1864-74. PMID: 16961595.

Leland PA, Staniszewski KE, Park C, et al. The ribonucleolytic activity of angiogenin. Biochemistry. 2002 Jan 29;41(4):1343-50. PMID: 11802736.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.