

Datasheet for ABIN1046529

**ANG Protein (AA 26-147) (His tag)**[Go to Product page](#)**2** Publications

## Overview

Quantity:	100 µg
Target:	ANG
Protein Characteristics:	AA 26-147
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANG protein is labelled with His tag.
Application:	SDS-PAGE (SDS), ELISA

## Product Details

Sequence:	DNSRYTHFLT QHYDAKPQGR DDRYCESIMR RRGLTSPCKD INTFIHGNGR SIKAIKENKN GNPHRENLR SKSSFQVTTC KLHGGSPWPP CQYRATAGFR NVVACENGL PVHLDQSIFR RP-
Characteristics:	May function as a tRNA-specific ribonuclease that abolishes protein synthesis by specifically hydrolyzing cellular tRNAs. Binds to actin on the surface of endothelial cells, once bound, angiogenin is endocytosed and translocated to the nucleus. Angiogenin induces vascularization of normal and malignant tissues. Angiogenic activity is regulated by interaction with RNH1 in vivo.
Purity:	90 %

## Target Details

Target:	ANG
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## Target Details

Alternative Name:	Angiogenin ( <a href="#">ANG Products</a> )
Background:	Synonyms: Ribonuclease 5,Nase 5
Molecular Weight:	18 kDa

## Application Details

Comment:	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Storage:	-20 °C/-80 °C
Storage Comment:	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

## Publications

Product cited in:	Zhang, Rosenberg: "Diversifying selection of the tumor-growth promoter angiogenin in primate evolution." in: <b>Molecular biology and evolution</b> , Vol. 19, Issue 4, pp. 438-45, (2002) ( <a href="#">PubMed</a> ).
	Kurachi, Davie, Strydom, Riordan, Vallee: "Sequence of the cDNA and gene for angiogenin, a human angiogenesis factor." in: <b>Biochemistry</b> , Vol. 24, Issue 20, pp. 5494-9, (1986) ( <a href="#">PubMed</a> ).