

Datasheet for ABIN7318153
ANG Protein[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ANG
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Angiogenin/ANG Protein
Sequence:	Gln25-Pro147
Characteristics:	Recombinant Human Angiogenin is produced by our E.coli expression system and the target gene encoding Gln25-Pro147 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ANG
Alternative Name:	Angiogenin/ANG (ANG Products)
Background:	Background: Angiogenin belongs to the pancreatic ribonuclease family. Angiogenin is primarily expressed in the liver. It may act as a tRNA-specific ribonuclease that abolishes protein synthesis by specifically hydrolyzing cellular tRNAs. Angiogenin is a potent stimulator of new blood vessel formation. And Angiogenin is endocytosed and translocated to the nucleus by

Target Details

binding to actin on the surface of endothelial cells. Angiogenic activity is regulated by interaction with RNH1 in vivo. In addition, Angiogenin is associated with susceptibility to amyotrophic lateral sclerosis, which is a degenerative disorder of motor neurons in the cortex, brain stem and spinal cord.

Synonym: Angiogenin, Ribonuclease 5, RNase 5, ANG, RNASE5

Molecular Weight: 14.3 kDa

UniProt: [P03950](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.