

Datasheet for ABIN1096005 **ANG Protein (AA 25-147)**

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Overview

Quantity:	50 µg
Target:	ANG
Protein Characteristics:	AA 25-147
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Angiogenin/ANG/RNASE5
Sequence:	MQDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC KDINTFIHGN KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVACEN GLPVHLDQSI FRRP
Characteristics:	Recombinant Human Angiogenin is produced by our E. coli expression system. The target protein is expressed with sequence (Gln25-Pro147) of Human Angiogenin.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ANG
Alternative Name:	angiogenin (ANG Products)

Target Details

Background:	<p>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 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.</p> <p>Alternative Names: Angiogenin, Ribonuclease 5, RNase 5, ANG, RNASE5</p>
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Molecular Weight:	14.27 kDa
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UniProt:	P03950
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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Storage:	4 °C/-20 °C/-80 °C
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Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
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Expiry Date:	3 months
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