

Recombinant Human Angiogenin/ANG Protein

Catalog No.: RP03569

Sequence Information

Species Gene ID

Human

Swiss Prot Tags

P03950

No tag

Synonyms

Angiogenin; Ribonuclease 5;
RNase 5; ANG; RNASE5

Product Information

Source Purification

E. coli

> 95% as
determined by
SDS-PAGE.

Calculated MW Observed MW

14.27 KDa

14 KDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

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

Reconstitution

Always centrifuge tubes before
opening. Do not mix by vortex or
pipetting. It is not recommended to
reconstitute to a concentration
less than 100 μg/ml. Dissolve the
lyophilized protein in distilled
water. Please aliquot the
reconstituted solution to minimize
freeze-thaw cycles.

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 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.

Basic Information

Description

Recombinant Human Angiogenin/ANG Protein is produced by *E. coli* system. The target protein is expressed with sequence (Gln25-Pro147) of Human Angiogenin/ANG (Accession # P03950).

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

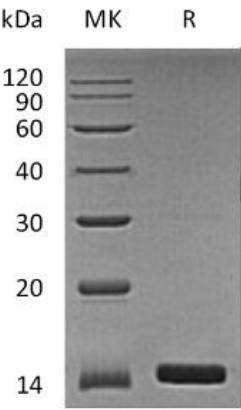
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Validation Data



Recombinant Human Angiogenin/ANG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.