

## 32-7181: Recombinant Human Angiogenin/ANG/RNASE5

**Gene :** ANG  
**Gene ID :** 283  
**Uniprot ID :** P03950

### Description

Source: E.coli.  
MW :14.27kD.

Recombinant Human Angiogenin is produced by our E.coli expression system and the target gene encoding Gln25-Pro147 is expressed. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MQDNSRYTHFLTQHYDAKPQGRDDRYCESIMRRRGLTSPCKDINTFIHGKRSIKAICENKNGNPHRENLRISK  
SSFQVTTCKLHGGSPWPPCQYRATAGFRNVVACENGLPVHLDQSIFRRP

### Application Note

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 ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

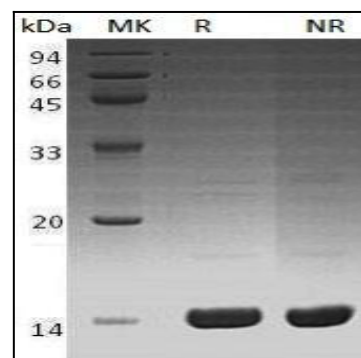


Fig.1. Coomassie staining of Recombinant Human Angiogenin/ANG/RNASE5. R is in reducing conditions, NR is for non-reducing.