

Product Name: Recombinant Human ANG
Catalog #: PEH0061

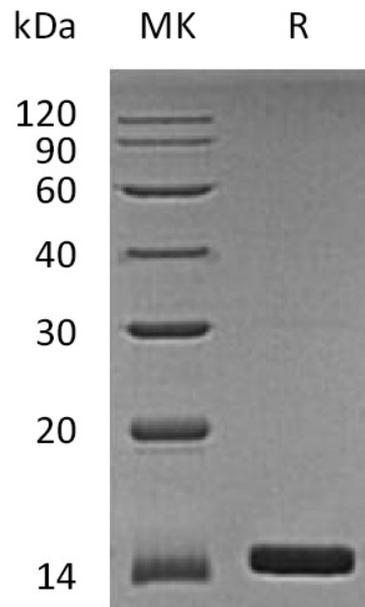


Summary

Name	Angiogenin/ANG/RNASE5
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Angiogenin is produced by our E.coli expression system and the target gene encoding Gln25-Pro147 is expressed.
Accession #	P03950
Host	E.coli
Species	Human
Predicted Molecular Mass	14.27 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Angiogenin; Ribonuclease 5; RNase 5; ANG; RNASE5

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.

Note

For Research Use Only , Not for Diagnostic Use.