

Recombinant Human ANG

Cat. No. ANG-27314TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Angiogenin with an N terminal proprietary tag; predicted mwt: 39.64 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	123 amino acids
Description	The protein encoded by this gene is an exceedingly potent mediator of new blood vessel formation. It hydrolyzes cellular tRNAs resulting in decreased protein synthesis and is similar to pancreatic ribonuclease. Alternative splicing results in two transcript variants encoding the same protein. This gene and the gene that encodes ribonuclease, RNase A family, 4 share promoters and 5 exons. Each gene splices to a unique downstream exon that contains its complete coding region.
Molecular Weight	39.640kDa inclusive of tags
Tissue specificity	Expressed predominantly in the liver. Also detected in endothelial cells and spinal cord neurons.
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QDNSRYTHFLTQHYDAKPQGRDDRYCESIMRRRGLTSPCK DINTFIHGKRSIKAIC ENKNGNPHRENLRISKSSFQVTT CKLHGGSPWPPCQYRATAGFRNVVACENGLP VHLDQSIF RRP
Sequence Similarities	Belongs to the pancreatic ribonuclease family.
GENE INFORMATION	
Gene Name	ANG angiogenin, ribonuclease, RNase A family, 5 [Homo sapiens]
Official Symbol	ANG
Synonyms	ANG; angiogenin, ribonuclease, RNase A family, 5; angiogenin; RNASE5;
Gene ID	283
mRNA Refseq	NM_001097577
Protein Refseq	NP_001091046
MIM	105850
Uniprot ID	P03950
Chromosome Location	14q11.1-q11.2

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Function

DNA binding; actin binding; copper ion binding; endonuclease activity; heparin binding;

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