

## Recombinant Full Length Human ANG Protein, GST-tagged

Cat. No. ANG-1033HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ANG full-length ORF ( AAH54880, 25 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	147 amino acids
<b>Description</b>	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. In addition, the mature peptide has antimicrobial activity against some bacteria and fungi, including <i>S. pneumoniae</i> and <i>C. albicans</i> . 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. [provided by RefSeq, Aug 2014]
<b>Molecular Mass</b>	39.27 kDa
<b>AA Sequence</b>	QDNSRYTHFL TQHYDAKPQG RDDRYCESIM RRRGLTSPCK DINTFIHGK RSIKAICENK NGNPHRENLR ISKSSFQVTT CKLHGGSPWP PCQYRATAGF RNVVACENG LPVHLDQSIF RRP
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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; RNase 5; ribonuclease 5; epididymis luminal protein 168; ALS9; HEL168; RNASE4; MGC22466; MGC71966

**Gene ID** 283

**mRNA Refseq** NM\_001097577

**Protein Refseq** NP\_001091046

**MIM** 105850

**UniProt ID** P03950

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