

Recombinant Mouse Ang, His-tagged

Cat. No. Ang-3453M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Angiogenin (Ang)
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	145
Description	<p>This gene encodes a member of the pancreatic ribonuclease A superfamily and is a potent inducer of neovascularization. The encoded protein is a secreted multifunctional tRNA-specific ribonuclease that promotes angiogenesis in response to angiogenetic stimuli such as hypoxia, mediates stress-induced translational repression by cleaving cellular tRNAs, stimulates cell proliferation by mediating rRNA transcription in prostate cancer cells, and is involved in neurite pathfinding. This gene resides in a cluster of highly related genes. It shares dual promoters and 5' exons with the ribonuclease, RNase A family 4 gene. Two alternatively spliced variants, with different 5' exons but the same coding exon, have been identified. Multiple pseudogenes have been found for this gene.</p>
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Ang recombinant protein may occasionally become entrapped in

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

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the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

Storage Buffer PBS pH 7.4, 50% glycerol

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [Ang angiogenin, ribonuclease, RNase A family, 5 \[Mus musculus \]](#)

Official Symbol Ang

Synonyms ANG; angiogenin, ribonuclease, RNase A family, 5; angiogenin; RNase 5; angiogenin-1; ribonuclease 5; angiogenin, ribonuclease A family, member 1; Ang1; Rnase5; Rnase5a; AI385586;

Gene ID [11727](#)

mRNA Refseq [NM_001161731](#)

Protein Refseq [NP_001155203](#)

Pathway Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Tie2 Signaling, organism-specific biosystem;

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Function

RNA binding; actin binding; copper ion binding; endonuclease activity; heparin binding; hydrolase activity; nuclease activity; nucleic acid binding; pancreatic ribonuclease activity; peptide binding; receptor binding; ribonuclease activity; ribonuclease activity;

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