Recombinant Mouse Ang Protein, His-tagged

Cat. No. Ang-149M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ang Protein (Val98-Trp436) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val98-Trp436
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.8 kDa
Purity	> 97%

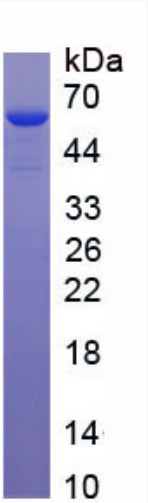
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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ang angiogenin, ribonuclease, RNase A family, 5 [Mus musculus (house mouse)]
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
UniProt ID	P20918

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