Angiogenin (ANG) Aotus Trivirgatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Angiogenin (ANG), Recombinant Protein
Full Product Name	Recombinant Aotus trivirgatus Angiogenin (ANG)
Product Gene Name	ANG recombinant protein
Product Synonym Gene Name	ANG
Sequence	QNDIRYIKFL DQHYDPKTKN GNDKYCEKMM RLRNMISPCK EINTFIHGNK ASIKAICGNQ NGEPHNGNQR ISKSAFQVTI CRHIGGSPRP PCRYRATAGF RNLVVACEND LPVHLDESIF RP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	16,475 Da
Sequence Positions	25-146, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8WN61
Species	Aotus trivirgatus (Night monkey) (Douroucouli)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ANG recombinant protein	MBS1308566 is a recombinant protein targeting ANG. Also known as Recombinant Aotus trivirgatus Angiogenin (ANG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ANG recombinant protein vial(s) may occasionally become entrapped in 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 and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANG. It may not necessarily be applicable to this product.

NCBI GI #	20454797
NCBI Accession #	Q8WN61.1
UniProt Primary Accession #	Q8WN61
NCBI Official Full Name	Angiogenin
UniProt Protein Name	Angiogenin
UniProt Synonym Protein Names	Ribonuclease 5; RNase 5

Protein Family	Angiogenin
UniProt Gene Name	ANG
UniProt Synonym Gene Names	RNASE5; RNase 5
UniProt Comments for ANG	Binds to actin on the surface of endothelial cells; once bound, angiogenin is endocytosed and translocated to the nucleus. Stimulates ribosomal RNA synthesis including that containing the initiation site sequences of 45S rRNA. Cleaves tRNA within anticodon loops to produce tRNA-derived stress-induced fragments (tiRNAs) which inhibit protein synthesis and triggers the assembly of stress granules (SGs) (). Angiogenin induces vascularization of normal and malignant tissues. Angiogenic activity is regulated by interaction with RNH1 in vivo ().
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