9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ANG Human

Angiogenin Human Recombinant
RCP0053

Product Overview

Name	ANG Human
Description	
Angiogenin Human Recombinant	
Accession (Primary)	P03950
Synonyms	
Angiogenin, ANG, Ribonuclease 5, RNase 5, RNASE5, ribonuclease, RNase A family, 5, ALS9, HEL168, MGC22466, MGC71966, RNASE4.	
Introduction	
Angiogenin (ANG) is a part of the RNase A family. ANG is an extremely effective mediator of new blood vessel formation. ANG Cleaves tRNA within anticodon loops in order to produce tRNA-derived stress-induced fragments (tiRNAs) that inhibit protein synthesis and trigger the assembly of stress granules. ANG is also stimulates ribosomal RNA synthesis. The interaction with RNH1 in vivo regulates the Angiogenic activity.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ANG solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M QDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC KDINTFIHGN KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVVACEN GLPVHLDQSI FRRP.	
Precautions	
ANG Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P03950)