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32-13032: ANG Human, Sf9

Alternative Name : Angiogenin, ANG, Ribonuclease 5, RNase 5, RNASE5, ribonuclease, RNase A family, 5, ALS9, HEL168, MGC22466, MGC71966, RNASE4, RAA1.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
ANG produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 132 amino acids (25-147a.a.) and having a molecular mass of 15.2kDa. (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa).ANG is fused to a 9 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	ANG protein solution (0.25mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage condition :	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.
Amino Acid :	ADPQDNSRYT HFLTQHYDAK PQGRDDRYCE SIMRRRGLTS PCKDINTFIH GNKRSIKAIC ENKNGNPHRE NLRISKSSFQ VTTCKLHGGS PWPPCQYRAT AGFRNVVVAC ENGLPVHLDQ SIFRRPHHHH HH.