

## 32-3184: ANG Recombinant Protein

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

### Description

Source : Escherichia Coli. ANG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (25-147) and having a molecular mass of 16.4 kDa.ANG is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The ANG solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.  
**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 :** MGSSHHHHHH SSGLVPRGSH MQDNSRYTHF LTQHYDAKPQ GRDDRYCESI MRRRGLTSPC  
KDINTFIHGN KRSIKAICEN KNGNPHRENL RISKSSFQVT TCKLHGGSPW PPCQYRATAG FRNVVVACEN  
GLPVHLDQSI FRRP.