

---

## Product Data Sheet

---

Product Name: ANG Human, Sf9

Cat. No.: GP22717

Batch No.: 1

**Product Data**

|                     |                                                                                                                                                   |                    |                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|
| Purity              | >98%                                                                                                                                              | Source             | Sf9, Baculovirus cells. |
| Physical Appearance | solid                                                                                                                                             | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Angiogenin; ANG; Ribonuclease 5; RNase 5; RNASE5; ribonuclease; RNase A family; 5; ALS9; HEL168; MGC22466; MGC71966; RNASE4; RAA1.                |                    |                         |
| Amino Acid Sequence | ADPQDNSRYT HFLTQHYDAK PQGRDDRYCE SIMRRRGLTS PCKDINTFIH GNKRSIKAIC ENKNGNPHRE NLRISKSSFQ VTTCKLHGGS PWPPCQYRAT AGFRNVVAC ENGLPVHLDQ SIFRRPHHHH HH. |                    |                         |
| Formulation         | ANG protein solution (0.25mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).                                                      |                    |                         |

**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.

**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.

**Background**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

**Product Data Sheet**

---

techniques.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***