

Datasheet for ABIN6388233
ANG Protein (AA 25-147) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | ANG |
| Protein Characteristics: | AA 25-147 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ANG protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

| | |
|------------------|--|
| Sequence: | ADPQDNSRYT HFLTQHYDAK PQGRDDRYCE SIMRRRGLTS PCKDINTFIH GNKRSIKAIK ENKNGNPHRE NLRISKSSFQ VTTCKLHGGS PWPPCQYRAT AGFRNVVAC ENGLPVHLDQ SIFRRPHHHH HH |
| Purity: | > 90 % by SDS - PAGE |
| Endotoxin Level: | < 1.0 EU per 1ug of protein (determined by LAL method) |

Target Details

| | |
|-------------------|--|
| Target: | ANG |
| Alternative Name: | ANG (ANG Products) |
| Background: | ANG, also known as angiogenin, is a potent stimulator of new blood vessels through the process of angiogenesis. It is a key protein implicated in angiogenesis in normal and tumor |

Target Details

growth. This protein interacts with endothelial and smooth muscle cells resulting in cell migration, invasion, proliferation and formation of tubular structures. It binds to actin of both smooth muscle and endothelial cells to form complexes that activate proteolytic cascades which upregulate the production of proteases and plasmin that degrade the laminin and fibronectin layers of the basement membrane. Also, it exhibits ribonucleolytic activity that is distinctly different than that of pancreatic RNase A. This ribonucleolytic activity of ANG toward most RNase A substrates is much lower than that of RNase A. Recombinant human ANG, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 15.2kDa (132aa) 13.5-18kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_001136](#)

UniProt: [P03950](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.