

## Product datasheet

# Recombinant human Angiostatin protein ab123771

### Description

|  |  |
|--|--|
| <b>Product name</b>                    | Recombinant human Angiostatin protein  |
| <b>Biological activity</b>             | The activity is assayed on anti-proliferation and anti-migration of endothelial cells in vitro and anti-angiogenesis in vivo. The specific activity of anti-migration of endothelial cells in vitro is $0.55 \times 10^5$ Units/mg.  |
| <b>Purity</b>                          | > 95 % SDS-PAGE.<br>Purity is greater than 95% as determined by HPLC and SDS-PAGE.   |
| <b>Expression system</b>               | Escherichia coli   |
| <b>Accession</b>                       | <a href="#">P00747</a>   |
| <b>Protein length</b>                  | Protein fragment   |
| <b>Animal free</b>                     | No   |
| <b>Nature</b>                          | Recombinant  |
| <b>Species</b>                         | Human  |
| <b>Sequence</b>                        | VYLSECKTGN GKNYRGTMSK TKNGITCQKW<br>SSTSPHRPRF SPATHPSEGL EENYCRNPDN<br>DPQGPWCYTT DPEKRYDYCD ILECEEECMH<br>CSGENYDGKI SKTMSGLECG AWDSQSPHAH<br>GYPSKFPNK NLKKNYCRNP DRELRPWCFT<br>TDPNKRWELC DIPRCTTPPP<br>SSGPTYQCLKGTGENYRGNV AVTVSGHTCQ<br>HWSAQTPHTR NRTPENFPCK NLDENYCRNP<br>DGKRAPWCHT TNSQVRWEYC KIPSCDSSP |
| <b>Predicted molecular weight</b>      | 30 kDa   |
| <b>Amino acids</b>                     | 98 to 259  |
| <b>Additional sequence information</b> | ab123771 is a single, non-glycosylated polypeptide chain, it represents a proteolytic fragment of plasminogen containing the first three kringle structures.   |

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab123771** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                     |                            |
|---------------------|----------------------------|
| <b>Applications</b> | Functional Studies<br>HPLC |
|---------------------|----------------------------|

|             |             |
|-------------|-------------|
|             | SDS-PAGE    |
| <b>Form</b> | Lyophilized |

---

## Preparation and Storage

|                              |   |
|------------------------------|---|
| <b>Stability and Storage</b> | Shipped at 4°C. Store at -20°C. Store under desiccating conditions.<br>pH: 5.50<br>Constituents: 4% Mannitol, 0.16% Sodium acetate<br>This product is an active protein and may elicit a biological response in vivo, handle with caution.  |
| <b>Reconstitution</b>        | Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, subdivide the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles. |

---

## General Info

|                              |   |
|------------------------------|---|
| <b>Relevance</b>             | Angiostatin is an internal proteolytic fragment of plasminogen, containing at least three Kringle domains. The Kringle domains have specific anti-migratory and anti-proliferative activities. Angiostatin, an endogenous angiogenesis inhibitor, inhibits endothelial cell proliferation in vitro and angiogenesis in vivo. It is a potent and specific natural inhibitor of angiogenesis and metastatic tumor growth. |
| <b>Cellular localization</b> | Secreted  |

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

---

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

---

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors