Product datasheet

Recombinant human Plasminogen kringle 1 + 2 + 3 protein ab73645

1 References

Description

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant human Plasminogen kringle 1 + 2 + 3 protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity</td>
<td>&gt; 95% SDS-PAGE. ab73645 is purified by proprietary chromatographic techniques. Purity is greater than 95.0% as determined by RP-HPLC and SDS-PAGE. 0.2µm filtered.</td>
</tr>
<tr>
<td>Expression system</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Protein length</td>
<td>Protein fragment</td>
</tr>
<tr>
<td>Animal free</td>
<td>No</td>
</tr>
<tr>
<td>Nature</td>
<td>Recombinant</td>
</tr>
<tr>
<td>Species</td>
<td>Human</td>
</tr>
<tr>
<td>Sequence</td>
<td>VYLSECKTN GKNYRGTMKS TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYGDKI SKTMGLECQ AWDSQPSPAHT GYPSKFPNK NLKKNYCRNP DRELRPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLKGTGENYRGNV AVTVSGHTCQ HWSAQTPHTH NRTCPFCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSSP</td>
</tr>
<tr>
<td>Predicted molecular weight</td>
<td>30 kDa</td>
</tr>
<tr>
<td>Additional sequence information</td>
<td>Angiostatin Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 259 amino acids and having a molecular mass of approximately 30.0 kDa.</td>
</tr>
</tbody>
</table>

Specifications

Our Abpromise guarantee covers the use of ab73645 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications

- Functional Studies
- SDS-PAGE

Form

- Lyophilised
### Stability and Storage

Shipped at 4°C. Add 1% BSA for extra stability. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 5.50
Constituents: 4% Mannitol, 0.164% Sodium acetate

This product is an active protein and may elicit a biological response in vivo, handle with caution.

### Reconstitution

Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.

### General Info

#### Relevance

Plasminogen is a plasma protein synthesised mostly in the liver. Plasma concentration is usually in the range of 70 to 200mg/l. Plasminogen is activated by tissue plasminogen activator, urokinase and streptokinase, to form plasmin. Activation results from the cleavage and release of the preactivation peptide. Angiostatin, an internal fragment of plasminogen, is a potent inhibitor of angiogenesis, which selectively inhibits endothelial cell proliferation. Angiostatin potently inhibits tumor growth and can maintain metastatic and primary tumors in a dormant state. It is defined by a balance of proliferation and apoptosis of the tumor cells. Angiostatin is one of the most potent angiogenesis inhibitors, and it contains the first four kringle domains of Plasminogen (K1-4). This molecule is generated by proteolytic cleavage of plasminogen.

#### Cellular localization

Secreted

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