# Recombinant Human Prostate Specific Antigen protein
## ab151676

### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant Human Prostate Specific Antigen protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
</tbody>
</table>

### Description

<table>
<thead>
<tr>
<th>Nature</th>
<th>Recombinant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>HEK 293 cells</td>
</tr>
<tr>
<td>Amino Acid Sequence</td>
<td></td>
</tr>
<tr>
<td>Accession</td>
<td>P07288</td>
</tr>
<tr>
<td>Species</td>
<td>Human</td>
</tr>
<tr>
<td>Sequence</td>
<td>APLILSRVGGWECEKHSQPWQLVASRGRAVCGGVL VHPQWLTAHCI RNKSVILLGRHSLFHPEDTGQVFQVSHSFPHPYDMS LLKNRFLRPGDDS SHDRMLRRLEPAELTDAVKVMDLPTQEPALGTTCYA SGWGSIEPEEFLT PKKLOCVDLHVISNDVCAQVHPQKVTKMLCAGRWTT GGKSTCSGDSGGPL VCNGVLQGITSWGSPECALPERPSLYTVHRYRKWIK DTIAPNVDHllHH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Molecular weight</th>
<th>27 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amino acids</td>
<td>18 to 261</td>
</tr>
<tr>
<td>Tags</td>
<td>His tag C-Terminus</td>
</tr>
</tbody>
</table>

### Specifications

Our Abpromise guarantee covers the use of ab151676 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Applications</th>
<th>SDS-PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HPLC</td>
</tr>
</tbody>
</table>

1 Abreviews
Endotoxin level  
- 1.000 Eu/µg

Purity  
- 95 % SDS-PAGE.
The purity of ab151676 is greater than 95%, as determined by SEC-HPLC and reducing SDS-PAGE. It is lyophilized from a 0.2 µM filtered solution.

Form  
- Lyophilised

**Preparation and Storage**

**Stability and Storage**  
Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.

- pH: 6.00
- Constituents: 0.39% MES, 0.02% Calcium chloride, 0.88% Sodium chloride

**Reconstitution**  
Dissolve the lyophilized protein in 1X PBS.
- It is not recommended to reconstitute to a concentration less than 100 µg/ml.

**General Info**

**Function**  
Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.

**Sequence similarities**  
Belongs to the peptidase S1 family. Kallikrein subfamily.
- Contains 1 peptidase S1 domain.

**Cellular localization**  
Secreted.

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

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- 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.

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