**Product datasheet**

**Recombinant Streptavidin protein ab156734**

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant Streptavidin protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Protein fragment</td>
</tr>
</tbody>
</table>

**Description**

<table>
<thead>
<tr>
<th>Nature</th>
<th>Recombinant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Amino Acid Sequence</td>
<td></td>
</tr>
<tr>
<td>Accession</td>
<td>P22629</td>
</tr>
<tr>
<td>Sequence</td>
<td>MGSSHHHHHHH SSSLVPRGSH MGSHMAEAGI</td>
</tr>
<tr>
<td></td>
<td>TGTWYNQGLGTFIVTAGADGALTGYESAV</td>
</tr>
<tr>
<td></td>
<td>GNAESRYVLT GRYDSAPATD GSGTALGWTV</td>
</tr>
<tr>
<td></td>
<td>AWKNNYRRAH SATTWSGQYVGGAEARINTQ</td>
</tr>
<tr>
<td></td>
<td>WLLTSGTTEA NAWKSTLvgHDTFTKVKP</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>16 kDa including tags</td>
</tr>
<tr>
<td>Amino acids</td>
<td>37 to 159</td>
</tr>
<tr>
<td>Tags</td>
<td>His tag N-Terminus</td>
</tr>
</tbody>
</table>

**Specifications**

Our [Abpromise guarantee](#) covers the use of **ab156734** in the following tested applications.

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

**Applications**

- SDS-PAGE
- Mass Spectrometry

**Mass spectrometry**

- MALDI-TOF

**Purity**

> 90 % SDS-PAGE.

**Form**

- Liquid

**Preparation and Storage**

- ab156734 was purified using conventional chromatography techniques.
Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.32% Tris HCl, 20% Glycerol, 0.88% Sodium chloride

General Info

Relevance

Streptavidin is a tetrameric protein purified from Streptomyces sp. that binds very tightly to the vitamin biotin with a Kd of ~ 10-14 mol/l. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

Cellular localization

Cytoplasmic

Images

15% SDS-PAGE analysis of 3µg ab156734.

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

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- 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

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