**Product Data Sheet**

<table>
<thead>
<tr>
<th><strong>Product Name:</strong></th>
<th>Biotin-LC-β-Amyloid (1-40)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Catalog Number:</strong></td>
<td>AS-24645-01 (0.1 mg)</td>
</tr>
<tr>
<td></td>
<td>AS-24648 (0.5 mg)</td>
</tr>
<tr>
<td></td>
<td>AS-24645 (1 mg)</td>
</tr>
<tr>
<td><strong>Lot Number:</strong></td>
<td>See label on vial</td>
</tr>
<tr>
<td></td>
<td>Biotin-LC-DAEFRHDSGYEVHHQKLVFADVGSGKAIIGLMVGVV (1-letter code)</td>
</tr>
<tr>
<td><strong>Molecular Weight:</strong></td>
<td>4670.3</td>
</tr>
<tr>
<td><strong>% Peak Area by HPLC:</strong></td>
<td>≥ 95</td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
<td>Lyophilized white powder</td>
</tr>
</tbody>
</table>

**Peptide Reconstitution:** Reconstitute by adding 50 µl 1%NH₄OH to 0.5 mg Biotin-LC-β-Amyloid (1-40) peptide. Dilute this peptide solution to approximately 1 mg/ml (or more dilute) with a buffer such as PBS or another buffer; aliquot and store at -20°C.

**Storage:** Biotin-LC-β-Amyloid (1-40) peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.


**Additional Information:** Listed below are relevant information that may provide a guideline on how to use this product. End users will have to adapt to their own specific applications.

5.6 µg biotinylated (long-chain) Aβ1-40 peptide (AnaSpec Incorporated, San Jose, CA) was reacted overnight at 4 degrees with 22.5 µg streptavidin (Zymed, S. San Francisco, CA). This material was added to 7.5 µg biotinylated bovine papillomavirus (BPV) L1-VLPs by incubation at 4 degrees overnight to generate Aβ-conjugated VLPs. For immunization, 130 µl complete Freund’s adjuvant was added to 170 µl VLP preparation containing 5.6 µg Aβ, then emulsified and injected as 300 µl into each mouse—Li, Q. et al. *BMC Neurosci.* **5**, 21 (2004).
### Published Citations:


### Related Products:

<table>
<thead>
<tr>
<th>Name</th>
<th>Cat #</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotin-LC-β-Amyloid (1-40), mouse, rat</td>
<td>AS-61717-01</td>
<td>0.1 mg</td>
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<tr>
<td>(Biotin-LC-DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV)</td>
<td>AS-23512</td>
<td>0.1 mg</td>
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<tr>
<td>Biotin-β-Amyloid (1-40)</td>
<td>AS-23512</td>
<td>1 mg</td>
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<tr>
<td>(Biotin-DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV)</td>
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<tr>
<td>β-Amyloid (1-40)-Lys(Biotin-LC)</td>
<td>AS-23518-01</td>
<td>0.1 mg</td>
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<tr>
<td>(DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV-K(Biotin-LC))</td>
<td>AS-23517</td>
<td>0.5 mg</td>
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<tr>
<td>β-Amyloid (1-40)-Lys(Biotin)-NH2</td>
<td>AS-61483-01</td>
<td>0.1 mg</td>
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<td>(DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV-K(Biotin)-NH2)</td>
<td>AS-61483-05</td>
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<tr>
<td>β-Amyloid (1-40)-Lys(Biotin)-NH2, mouse, rat</td>
<td>AS-63356</td>
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<td>(DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV-K(Biotin)-NH2)</td>
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<td>β-Amyloid (1-40)-Lys(Biotin)-NH2, FAM-labeled</td>
<td>AS-23597-01</td>
<td>0.1 mg</td>
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<tr>
<td>(FAM-DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV-K(Biotin)-NH2) AS-23596</td>
<td>0.5 mg</td>
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<tr>
<td>β-Amyloid (1-40)-Lys(LC-biotin)-NH2, FAM-labeled</td>
<td>AS-61962-01</td>
<td>0.1 mg</td>
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<tr>
<td>(5-FAM-DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVV-K(LC-BIOTIN)-NH2)</td>
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<tr>
<td>β-Amyloid (1-40) Binding Peptide, Biotin-labeled</td>
<td>AS-62427</td>
<td>1 mg</td>
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<tr>
<td>(Biotin-DWGKGGWRWLPAGSKTEA)</td>
<td>AS-62425</td>
<td>0.5 mg</td>
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<td>β-Amyloid (1-40)</td>
<td>AS-62436</td>
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<td>Biotin-LC-β-Amyloid (1-42)</td>
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<td>AS-24640</td>
<td>0.5 mg</td>
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<tr>
<td>Biotin-LC-β-Amyloid (1-42), mouse, rat</td>
<td>AS-61718-01</td>
<td>0.1 mg</td>
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<tr>
<td>(Biotin-LC-DAEFRHDSGYEVHHKLVLFAEDVSNKGAIIGLMVGGVVIA)</td>
<td>AS-72070</td>
<td>1 kit</td>
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</tbody>
</table>

*For Research Use Only*