



## Product Data Sheet

**Product Name:** Biotin- $\beta$ -Amyloid (1-40)  
**Catalog Number:** AS-23512-01 (0.1 mg) Lot Number: See label on vial  
AS-23512 (1 mg)

**Sequence:** Biotin-Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-OH (3-letter code)  
Biotin-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV (1-letter code)

**Molecular Weight:** 4557.2

**% Peak Area by HPLC:**  $\geq 95$

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:** Reconstitute by adding 50-70  $\mu$ l 1%  $\text{NH}_4\text{OH}$  to 0.5 mg Biotin- $\beta$ -Amyloid 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 -20C.

**Storage:** Biotin- $\beta$ -Amyloid 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.

**Reference:** Saito, Y. et al. *Proc. Natl. Acad. Sci. USA* **92**, 10227 (1995).

**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.

Biotin- $\text{A}\beta(1-40)$  were commercially available from AnaSpec, Inc. (San Jose, CA, USA). When stained with FITC-streptavidine, IMR-32 cells ( $1 \times 10^5$ ) were incubated on ice for 30 min with biotin- $\text{A}\beta(1-40)$  (5  $\mu$ m) and washed three times with PBS containing 0.1% (v/v) BSA and 0.1% (v/v)  $\text{NaN}_3$ . The cells were incubated on ice for 30 min together with FITC-streptavidin (1/100; Molecular Probes, Inc., Eugene, OR, USA). The cells were then washed three times and analyzed by an Epics Elite Flow Cytometer (Beckman Coulter, Fullerton, CA, USA)- [Inaba S. et al. J. Pept. Res. 65, 485 \(2005\)](#).

### Published Citations:

Inaba S. et al. *J. Pept. Res.* **65**, 485 (2005).

### Related Products:

Name	Cat #	Size
Biotin-LC-beta-Amyloid (1-40)	AS-24645-01	0.1 mg
(Biotin-LC-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV)	AS-24648	0.5 mg
	AS-24645	1 mg
Beta-Amyloid (1-40)-Lys(Biotin-LC)	AS-23518-01	0.1 mg
DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-K(Biotin-LC)	AS-23517	0.5 mg
Beta-Amyloid (1-40) Binding Peptide, Biotin-labeled (Biotin-DWGKGGWRWLWPGASGKTEA)	AS-62427	1 mg
Beta-Amyloid (1-40)-Lys(Biotin)-NH2	AS-61483-01	0.1 mg
(DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-K(Biotin)-NH2)	AS-61483-05	0.5 mg
Beta-Amyloid (1-40)-Lys(LC-biotin)-NH2, FAM-labeled, Ex/Em=490 nm/ 520 nm (5-FAM-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-K(LC-BIOTIN)-NH2)	AS-61962-01	0.1 mg

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