



Product Data Sheet

Product Name: Biotin- β -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: ≥ 95

Appearance: Lyophilized white powder

Peptide Reconstitution: Reconstitute by adding 50-70 μ l 1% NH_4OH to 0.5 mg Biotin- β -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- β -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 (1×10^5) were incubated on ice for 30 min with biotin- $\text{A}\beta(1-40)$ (5 μ m) and washed three times with PBS containing 0.1% (v/v) BSA and 0.1% (v/v) 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)-NH ₂ , FAM-labeled, Abs/Em=494/521 nm	AS-23597-01	0.1 mg
(FAM-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-K(Biotin)-NH ₂)	AS-23596	0.5 mg
Beta-Amyloid (1-40)-Lys(Biotin)-NH ₂	AS-61483-01	0.1 mg
(DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-K(Biotin)-NH ₂)	AS-61483-05	0.5 mg
Beta-Amyloid (1-40)-Lys(LC-biotin)-NH ₂ , FAM-labeled, Ex/Em=490 nm/ 520 nm		
(5-FAM-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-K(LC-BIOTIN)-NH ₂)	AS-61962-01	0.1 mg

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