



## Product Data Sheet

**Product Name:** Biotin- $\beta$ -Amyloid (1-42)

**Catalog Number:** AS-23524-01 (0.1 mg)      Lot Number: See label on vial  
AS-23523-05 (0.5 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-Ile-Ala-OH (3-letter code)  
Biotin-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA (1-letter code)

**Molecular Weight:** 4741.4

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

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:** Reconstitute by adding 30-50  $\mu$ l 1%NH<sub>4</sub>OH to 0.5 mg Biotin- $\beta$ -Amyloid (1-42). 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 (1-42) 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.*

Under pentobarbital (50 mg/kg, i.p.) anesthesia, biotin-labeled A $\beta$  (1-42) (100  $\mu$ M; AnaSpec, San Jose, CA) was infused at a rate of 0.66  $\mu$ l/min for 60 min into the lateral ventricle (coordinates relative to bregma: anterior-posterior 0.0-mm, lateral 2.0-mm, and 2.3-mm depth) of 4-month-old male L-PGDS<sup>-/-</sup> mice and human L-PGDS-Tg mice-[Kanekiyo, T. et al. Proc. Natl. Acad. Sci. USA 104, 6412 \(2007\).](#)

#### Published Citations:

[Le Vine III, H. Anal. Biochem. 356, 265 \(2006\).](#)  
[Kanekiyo, T. et al. Proc. Natl. Acad. Sci. USA 104, 6412 \(2007\).](#)

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