



Product Data Sheet

Product Name:	β-Amyloid (42-1)	
Catalog Number:	AS-27276-01 (0.1 mg) AS-27275 (0.5 mg) AS-27276 (1 mg)	Lot Number: See label on vial
Sequence:	H-Ala-Ile-Val-Val-Gly-Gly-Val-Met-Leu-Gly-Ile-Ile-Ala-Gly-Lys-Asn-Ser-Gly-Val-Asp-Glu-Ala-Phe-Phe-Val-Leu-Lys-Gln-His-His-Val-Glu-Tyr-Gly-Ser-Asp-His-Arg-Phe-Glu-Ala-Asp-OH (3-letter code) AIVVGGVMLGIIAGKNSGVDEAFFVLKQHHVEYGS DHRFEAD (1-letter code)	
Molecular Weight:	4514.1	
% Peak Area by HPLC:	≥ 95	
Appearance:	Lyophilized white powder	
Peptide Reconstitution:	Use 1.0% NH ₄ OH as the solvent, followed by buffer (i.e. 1X PBS). Add 1.0% NH ₄ OH directly to the lyophilized peptide powder (add 35-40 μl to 0.5 mg peptide or 70-80 μl to 1 mg peptide). The peptide cannot be stored long term in 1.0% NH ₄ OH, and it is therefore important to immediately dilute this solution with 1X PBS or other buffer to a concentration of approximately 1mg/mL or less. Gently vortex to mix.	
Storage:	Peptide is shipped at ambient temperature. Upon receipt, store lyophilized powder at -20°C or lower. Reconstituted peptide should be aliquoted into several freezer vials and stored at -20°C or lower. Do not freeze thaw.	

Published Citations:

Liu, YJ. et al. *Neurobiol Aging* **31**, 175 (2010)
Klaver, A. et al. *J Neurosci Methods* **187**, 263 (2010). Tran, T. et al. *Hippocampus* 10.1002/hipo.20790 (2010). Chafekar, SM. et al. *Antioxid Redox Signaling* **9**, 2245 (2007). Xiong, K. et al. *Exp Brain Res* **181**, 435 (2007).
Widenbrant, MJO. et al. *Biophys J* **91**, 4071 (2006).
Boyd-Kimball, D. et al. *Brain Res* **1044**, 206 (2005).

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