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DATA SHEET

Product Name: Beta-Amyloid (11-42) Uniform Label

Catalog #: A-1120-2

Source: Recombinant. A DNA sequence encoding the human beta-amyloid (11-42) sequence was expressed in E. Coli with N15 as the nitrogen source.

Sequence: **E V H H Q K L V F F A E D V G S N K G A I**
Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-
I G L M V G G V V I A
Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val Ile-Ala

Molecular Weight: 3337.2 Da by Mass Spec Analysis (theoretical 3151.7)

Peptide Purity: >97%

Counter Ion: TFA

Supplied As: White lyophilized powder

Resuspension: Resuspend in 1 % NH₄OH, at a concentration of 1 mg/ml. Sonicate for 30 seconds to 1 minute after it has gone into solution.
To bring it into your buffer: After resuspension, add 5x or 10x buffer stock and water, to bring to 1x buffer.

Storage: -20⁰C

Description: Beta-amyloid peptide (Abeta), the major constituent of amyloid plaques in the brains of Alzheimer's patients, is thought to be the cause of Alzheimer's Disease (AD). Alzheimer's diseased brains show significant levels of Abeta (11-40) and Abeta (11-42). The β -secretase enzyme or β - amyloid precursor protein-cleaving enzyme (BACE) generates the N terminus of A β , producing full-length Abeta (1-40 and 1-42) and/or truncated Abeta (11-40 and 11-42). The abundance of Abeta (11-40 and 11-42) produced by BACE suggests that they might be playing an important role in Alzheimer's disease pathogenesis.

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