

**DATA SHEET**

**Product Name:** C13, N15 Beta-Amyloid (1-40), Uniformly Labeled

**Catalog #:** A-1103

**Source:** Recombinant. A DNA sequence encoding the human beta-amyloid (1-40) sequence was expressed in E. coli and uniformly labeled with C13 as the carbon source and N15 as the nitrogen source.

**Molecular Mass:** 4,576 Da theoretical

**Protein Purity:** >97% by Mass Spec.

**Counter Ion:** HFIP

**Supplied As:** Clear, dry film

**Resuspension:** Resuspend in 1% NH<sub>4</sub>OH at conc. of .1-1 mg/ml. Recommended to briefly centrifuge to ensure full resuspension of product.

**Storage:** -20°C

**Description:** C13, N15 uniformly labeled beta-amyloid peptide (A-beta). A-beta is the major constituent of amyloid plaques in the brains of Alzheimer's patients, and is thought to be the cause of Alzheimer's Disease (AD). AD is the most common neurodegenerative disease and afflicts about 10% of the population over 60<sup>4</sup>.

**References:**

1. Yankner, B., et al., (1990) Science, 250: 279-282
2. Selkoe, D.J., (2001) Physiol. Rev, 81: 741-766
3. Stine, W., et al., (2003) J. Biol. Chem, 278: 11612-11622
4. Frank, R., et al., (2003) Neurobiology of Aging, 24: 521-536

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