

**DATA SHEET**

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

**Catalog #:** A-1105

**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.

**Molecular Mass:** 4,523 Da theoretical

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

**Counter Ion:** TFA

**Supplied As:** White lyophilized powder

**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 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

***For research use only. Not for use in humans.***