

DATA SHEET

Product Name: N15 Beta-Amyloid (1-42), Mouse, Rat, Uniformly Labeled

Catalog #: A-1134

Source: Recombinant. A DNA sequence encoding the mouse/rat beta-amyloid (1-42) sequence was expressed in E. coli and uniformly labeled with N15 as the nitrogen source.

Molecular Mass: 4,470 Da theoretical

Protein Purity: >97% by Mass Spec.

Counter Ion: TFA

Supplied As: White lyophilized powder

Resuspension: Resuspend in 1% NH₄OH at conc. of .1-1 mg/ml. Recommended to briefly centrifuge to ensure full resuspension of product.

Storage: -20°C

Description: 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 60⁴.

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.