

## **DATA SHEET**

**Product Name:** Beta-Amyloid (3-42)

**Catalog #:** A-1064

**Source:** Recombinant. A DNA sequence encoding the human Beta-Amyloid (3-42) sequence was expressed in E. coli

**Molecular Mass:** 4,328 Da theoretical

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

**Counter Ion:** NH<sub>4</sub>OH

**Supplied As:** White lyophilized powder

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

**Storage:** -20°C

**Description:** Beta-Amyloid peptides (A-beta), the major constituent of amyloid plaques in the brains of Alzheimer's patients, is thought to be a primary contributor to Alzheimer's Disease (AD). Expressed recombinantly in E. coli, Beta-Amyloid (3-42) is purified to our highest standards to ensure batch-to-batch consistency in both purity and quality. The Beta-Amyloid (3-42) peptide is supplied in the NH<sub>4</sub>OH counter-ion ensuring a highly monomeric starting material that may be suited to aggregation studies, seeding experiments, molecular standards and more.

**References:**

1. Yankner, B., et al., (1990) Science, 250 : 279-282
2. Stine, W., et al., (2003) J. Biol. Chem, 278 : 11612-11622
3. Frank, R., et al., (2003) Neurobiology of Aging, 24 : 521-536
4. Gericke, C., et al., (2020) Front. Immunol., 11 : 1029

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