

DATA SHEET

Product Name: Beta-Amyloid (1-42), HCl

Catalog #: A-1166

Source: Recombinant. A DNA sequence encoding the human beta-amyloid (1-42) sequence was expressed in E. coli

Molecular Mass: 4,514 Da theoretical

Protein Purity: >97% by Mass Spec.

Counter Ion: HCl

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:

Beta-amyloid (A-beta) has been long reported as the major constituent of amyloid plaques in the brains of Alzheimer's patients, and is believed by many to be the cause of Alzheimer's Disease (AD). AD is the most common neurodegenerative disease and afflicts more than 10% of the population over 65. Recombinantly expressed and sourced from E. coli, rPeptide's high quality beta-amyloid products offer batch-to-batch consistency and ultrapure starting material for your research needs. The HCl counter-ion is lyophilized in an acidic environment, with what many would consider a more physiologically relevant solution than TFA and may also be less toxic to cell-tissue samples.

References:

1. Yankner, B.A., et al., (1990) Science, 250 : 279-282
2. Stine, W.B., et al., (2003) J. Biol. Chem, 278 : 11612-11622
3. Frank, R.A., et al., (2003) Neurobiology of Aging, 24 : 521-536
4. Ismail, T., Vancha, SR., & Kanapathipillai, M., (2018) Pept Sci.; 110 : e24093

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