

DATA SHEET

Product Name: Beta-Amyloid (1-42), Starter Kit

Catalog #: A-1160

Source: Recombinant. A DNA sequence encoding the human beta-amyloid (1-40) sequence was expressed in E. coli. Contains one each of A-1002, A-1163, A-1165, A-1166, and A-1167

Molecular Mass: 4,514 Da theoretical

Protein Purity: >97% by Mass Spec.

Counter Ion: TFA, HFIP, NaOH, HCl, and NH₄OH

Supplied As: Clear, dry film for HFIP; White lyophilized powder for all other counter ions

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 beta-amyloid starter kit comes with each counter-ion rPeptide offers for the peptide (TFA, HFIP, HCl, NaOH, and NH₄OH). Some customers new to the Alzheimer's Disease field of study, or those wishing to find various alternatives to their current reagents, may find this kit useful when testing different formulations of the same peptide in their experiments.

References:

1. Shu-chuan Jao, S.C., et al., (1997) Amyloid; Int J Exp. Clinical Invest. 4 : 231
2. Stine, W.B., et al., (2003), J. Biol. Chem, 278 : 11612
3. Fezoui, Y., et al., (2000), Amyloid, 7 : 166
4. Kanek, I., Tutumi, S., (1997), J. Neurochem, 68 : 438
5. Yankner, B.A., et al., (1990) Science, 250 : 279-282
6. Selkoe, D.J., (2001) Physiol. Rev, 81 : 741-766
7. Frank, R.A., et al., (2003) Neurobiology of Aging, 24 : 521-536

For research use only. Not for use in humans.