DATA SHEET

Product Name:	Beta-Amyloid (1-40), HFIP
Catalog #:	A-1153
Source:	Recombinant. A DNA sequence encoding the human beta-amyloid (1-40) sequence was expressed in E. coli
Molecular Mass:	4,329 Da theoretical
Protein Purity:	>97% by Mass Spec.
Counter Ion:	HFIP
Supplied As:	Clear, dry film
Resuspension:	Resuspend in 1% NH4OH at conc. of .1-1 mg/ml. Recommended to briefly centrifuge to ensure full resuspension of product.
Storage:	–20^{0}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 HFIP (hexafluoro-isopropanol) counter-ion is a peptide which was purified before being dried with HFIP, leaving a clear dried film rather than a lyophilized powder. This counter-ion is a popular choice for researchers wishing to skip the HFIP-treatment process in their own lab while still working with a highly monomeric starting material.
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. Mohamed, T., (2018) ACS Chem. Neurosci., *9, 4* : 773–782

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