Amyloid β-Proteins (1-42) and (1-40)
A key cause of Alzheimer’s Disease (AD) is thought to be a protein called the Amyloid β-Protein (Aβ). This protein deposits in the brain to form what are called “amyloid plaques”.

Teplow’s Peptides: New Scrambled Versions
Our new partner, the Teplow laboratory seeks to understand and treat diseases associated with the aging process. Teplow’s Amyloid β-Protein (1-42) and Teplow’s Amyloid β-Protein (1-40), our “Teplow’s Peptides”, are new negative control peptides, designed by the Teplow laboratory for studies towards the aggregation behavior of Aβ. Teplow’s Amyloid β-Protein (1-42) and Teplow’s Amyloid β-Protein (1-40) are “scrambled”, which means they contain the same amino acids as the wild type forms of Aβ (1-42) and Aβ (1-40), but in different order. Teplow’s Peptides share unprecedented properties as they have a relatively flat hydropathy profile (Figure), which can be an advantage in several studies, if it is important to avoid unspecific interaction with cell membranes.

Teplow’s Peptides are excellent negative controls. Based on published results, they exhibit

- no formation of fibrils or β-sheets
- no oligomerization
- no toxicity to neuronal cells
- low hydropathy profile for minimum unspecific interaction with membranes

Aβ (1-42) AND Aβ (1-40) SCRAMBLED VERSIONS PEPTIDES  NEW

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<tr>
<td>Teplow’s Amyloid β-Protein</td>
<td>4104168</td>
<td>(H-8282)</td>
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<td>(1-42) (scrambled II)</td>
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<td>Teplow’s Amyloid β-Protein</td>
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OVER 250 ALZHEIMER’S RESEARCH CATALOG PEPTIDES WITH HIGHEST PEPTIDE QUALITY

- Amyloid β-Protein fragments of different lengths
- HFIP-treated as well as different salt forms
- Reverse, scrambled and all-D versions
- Labeled (Tide Fluor™, FAM, FITC, TAMRA, Biotin) Amyloid β-Proteins
- FRET-Substrates (DABCYL-EDANS)
- Amyloid β-Protein mutants
- Modified Amyloid β-Proteins
- β-Amyloid (mouse, rat): 1-42 & 1-40
- Modifiers of Amyloid β aggregation
- More than 40 Tau peptides  NEW

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Marketing & Sales Contact

Americas
Bachem Americas, Inc.
Tel. +1 888 422 2436 (toll free in USA & Canada)
  +1 310 539 4171
sales.us@bachem.com

Asia Pacific
Bachem Japan K.K.
Tel. +81 3 6661 0774
sales.jp@bachem.com

Europe, Africa, Middle East and India
Bachem AG
Tel. +41 58 595 2020
sales.ch@bachem.com

Visit our website
www.bachem.com
or shop online
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