



Product Data Sheet

Product Name: [Gly²²]- β -Amyloid (1-42), Arctic Mutation
Catalog Number: AS-61967-05 (0.5 mg) **Lot Number:** See label on vial

Sequence: H-Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys -
Leu-Val-Phe-Gly-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly -
Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala-OH (3-letter code)
DAEFRHDSGYEVHHQKLVFFAGDVGSNKGAIIGLMVGGVVIA
(1-letter code)

Molecular Weight: 4443.1

% Peak Area by HPLC: ≥ 95

Appearance: Lyophilized white powder

Peptide Reconstitution: Reconstitute by adding 50-70 μ l 1%NH₄OH to 0.5 mg [Gly²²]- β -Amyloid peptide. Dilute this peptide solution with buffers, such as PBS or others; aliquot and store at -20C.

Storage: [Gly²²]- β -Amyloid peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at -20°C or lower. Reconstituted peptide can be aliquoted and stored at -20°C or lower.

Description: This is amino acids 1 to 40 fragment of the mutant form of β -Amyloid, with glycine substituted for glutamic acid at position 22 found in "Arctic" heredity. A toxic soluble β -Amyloid assembly (TA-beta) is formed more rapidly from 'Arctic' β -Amyloid than from wild-type β -Amyloid in the presence of liposomes containing GM1 ganglioside. Ref: Naoki Yamamoto et al. *J. Biol. Chem.* **282**, 2646 (2007), Van Nostrand, W. et al. *J. Biol. Chem.* **276**, 32860 (2001).

Related Products:

Name	Cat #	Size
[Gly22]-beta-Amyloid (1-40), Arctic Mutation (DAEFRHDSGYEVHHQKLVFFAGDVGSNKGAIIGLMVGGVV)	AS-61262	0.5 mg
[Gln22]-beta-Amyloid (1-42), E22Q Dutch Mutation (DAEFRHDSGYEVHHQKLVFFAQDVGSNKGAIIGLMVGGVVIA)	AS-62142	0.5 mg
[Lys22]-beta-Amyloid (1-42), Italian Mutation (DAEFRHDSGYEVHHQKLVFFAKDVGSNKGAIIGLMVGGVVIA)	AS-62148	0.5 mg
[Asn7]-beta-Amyloid (1-42), Tottori-Japanese Mutation (DAEFRHNSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA)	AS-63324	0.5 mg
[Asn23]-beta-amyloid (1-42), Iowa Mutation (DAEFRHDSGYEVHHQKLVFFAENVGSNKGAIIGLMVGGVVIA)	AS-63705	0.5 mg
[Gly21]-beta-Amyloid (1-42), A21G Flemish Mutation (DAEFRHDSGYEVHHQKLVFFGEDVGSNKGAIIGLMVGGVVIA)	AS-63704	0.5 mg
[Arg6]-beta-Amyloid (1-42), English Mutation (DAEFRRDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA)	AS-63323	0.5 mg

For Research Use Only