Technical Data Sheet

Product Name	***[Gly21] - beta - Amyloid (1 - 40), A21G, Flemish Mutation, Human*** *DAEFRHDSGYEVHHQKLVFFGEDVGSNKGAIIGLMVGGVV*
Size	0.5 mg
Catalog #	AS-62150
Purity	% Peak Area By HPLC ≥ 95%
Description	This peptide is the mutant form of the b-Amyloid peptide (1-40). The mutation within the coding region of the ß-Amyloid precursor protein (APP) results in substitution of alanine to glycine in this peptide. Presenile dementia is present in a pattern consistent in the family of British origin with the dominant inheritance of Flemish APP mutation. The impact of the point mutation A21G on b-Amyloid structure and dynamics varies from b-Amyloid (1-40) to b-Amyloid (1-42).
Storage	-20°C
References	Brooks, W. et al. *Neurol.* **63**, 1613 (2004); Van Nostrand, W. et al. *J. Biol. Chem.* **276**, 32860 (2001); A. Huet and P. Derreumaux *Biophys. J.* **91**, 3829 (2006).
Molecular Weight	4315.9
Sequence (One-Letter Code)	DAEFRHDSGYEVHHQKLVFFGEDVGSNKGAIIGLMVGGVV
Sequence (Three-Letter Code)	H - Asp - Ala - Glu - Phe - Arg - His - Asp - Ser - Gly - Tyr - Glu - Val - His - His - Gln - Lys - Leu - Val - Phe - Phe - Gly - Glu - Asp - Val - Gly - Ser - Asn - Lys - Gly - Ala - Ile - Ile - Gly - Leu - Met - Val - Gly - Gly - Val - Val - OH

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