

β-Amyloid (1-42), human

Cat. No.: RP10017-1

Size: 1 mg

Description:

This peptide is well suited to the quantitative determination of A 42 peptide. Alzheimer's disease (AD) is characterized by the presence of extracellular plaques and intracellular neurofibrillary tangles (NFTs) in the brain. The major protein component of these plaques is beta amyloid peptide (A), a 40to 43- amino-acid peptide cleaved from amyloid precursor protein by secretase (BACE) and a putative (gamma) secretase. Increased release of the 'longer forms' of A peptide, A 42 and A 43, which have a greater tendency to aggregate than A 40, occurs in individuals expressing certain genetic mutations, expressing certain ApoE alleles or may other, still undiscovered factors.

Cas No: 107761-42-2

Sequence (one-letter code):

DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA

Sequence (three-letter code):

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Solubility: Soluble in water

Formula: C203H311N55O60S1

Molecular Weight: 4,514.1

Purity: > 95%

Storage:

Store at -20°C

Note: This product is a chemically-modified β -amyloid (1-42) precursor, which belongs to GenScript's click peptides. The click peptides; are best described by the following key features:

1. Enhanced Stability—The O-acyl moiety within the click

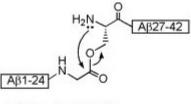
peptide is stable even under acidic pH.

2. Convenient and quick process—The click peptides can be

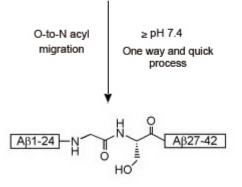
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easily converted to native peptide at pH 7.4 or above.3. No by-product formation in the conversion process.4. Superior quality—After the click, the aggregative property of the peptides is significantly minimized compared to its native format.



26-O-acyl isoAβ1-42 (click peptide)



amyloid β peptide (Aβ) 1-42

860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274 Tel: 1-732-885-9188 Fax: 1-732-210-0262 Email: product@genscript.com Web: www.genscript.com