

Beta Amyloid [1-40] Peptide (Rat)

Subcategory: Synthetic Peptide

Cat. No.: 350077

Unit: 1 mg

Description:

Beta-amyloid production results from cleavage in the extracellular domain of APP by the beta-secretase (BACE1), which results in the production of the APP C-terminal fragment C99. This fragment is further cleaved by the gamma-secretase at residues 40-42 to produce beta-amyloid 40 and 42 peptides. Beta-amyloid aggregation and neuritic plaque formation are pathologic hallmarks of Alzheimer disease. This peptide corresponds to the rat beta-amyloid 1-40 peptide.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Beta-amyloid protein 40; Beta-APP40; P3(40); Amyloid beta A4 protein; APP; ABPP; Alzheimer disease amyloid protein; Cerebral vascular amyloid peptide; CVAP; Protease nexin-II; PN-II; APPI; PreA4

Accession No.: P08592

MW: 4233.81 g/mol

Sequence: Rat: H-Asp-Ala-Glu-Phe-Gly-His-Asp-Ser-Gly-Phe-Glu-Val-Arg-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-OH or H-DAEFGHDSGFVVRHQKLVFFAEDVGSNKGAIIGLMVGGVV-OH

Composition: C190H291N51O57S1

Purity: Purity > 95% by HPLC

Solubility: We recommend using 100% dimethyl sulfoxide (DMSO). Alternatively, hexafluoroisopropanol (HFIP) can be used.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.