

## Beta Amyloid [25-35] Peptide

**Subcategory:** Synthetic Peptide

**Cat. No.:** 350079

**Unit:** 2 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 human beta-amyloid 25-35 peptide, which induces apoptosis in cells.

**Format:** Each vial contains 2 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.:** P05067

**MW:** 1060.3 g/mol

**Sequence:** Human: H-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-OH or H-GSNKGAIIGLM-OH

**Composition:** C45H81N13O14S1

**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.