

Amylin Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350015

Unit: 1 mg

Description:

Amylin, also called Islet or insulinoma amyloid polypeptide (IAPP), is a 37-amino acid monomeric polypeptide isolated from pancreatic amyloid, which is commonly found in the islet of patients with diabetes mellitus type II and in insulinomas. Amylin is derived from a larger propeptide precursor of 89 amino acids in humans. Immunostaining of amylin is found in islet amyloid and in cells of the islets of Langerhans, where it colocalizes with insulin in islet B cells. This peptide corresponds to full-length amylin (residues 34-70 of human amylin precursor) with a Cys2-Cys7 disulfide bridge and an amidated C-terminus end.

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

Alternate Names: Islet amyloid polypeptide; Amylin; Diabetes-associated peptide; DAP; Insulinoma amyloid peptide; IAPP

Accession No.: P10997

MW: 3906.3 g/mol

Sequence: Human: Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-His-Ser-Ser-Asn-Asn-Phe-Gly-Ala-Ile-Leu-Ser-Ser-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH₂ or
KCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY-NH₂
(Cys2-Cys7)

Composition: C₁₆₅H₂₆₂O₅₀N₅₆S₂

Purity: Purity > 95% by HPLC

Solubility: We recommend using 100% dimethyl sulfoxide (DMSO).

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.