Amylin Peptide (Feline)

Subcategory: Synthetic Peptide
Cat. No.: 350046
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 Langherans, where it colocolizes with insulin in islet B cells.

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.: P12967

MW: 3910.45 g/mol
Sequence: Feline: H-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Ile-Arg-Ser-Ser-Asn-Asn-Leu-Gly-Ala-Ile-Leu-Ser-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH2 (Cys2-Cys7) or H-KCNTATCATQRLANFLIRSSNNLGAILSPTNVGSNTY-NH2 (Cys2-Cys7)
Composition: C165H270N52O54S2
Purity: Purity > 95% by HPLC
Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

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.