

Rev01  
Update: Dec,28,2022

**DATASHEET**

# Amylin, human, amide

Cat. No.: RP11278CN

## Overview

<b>Synonyms</b>	Diabetes-Associated Peptide (DAP), amide, humanInsulinoma or islet amyloid polypeptide (IAPP)
<b>Description</b>	Amylin, a 37-amino acid polypeptide that is structurally related to calcitonin, is secreted from the B cells of the pancreas. Amylin has anorectic effects in rats. Amylin may be responsible for the etiology of insulin resistance of type II diabetes mellitus through its modulation of peripheral effects of insulin. Amylin blocks the activation of glycogen synthase by insulin.
<b>Cas No</b>	122384-88-7
<b>Sequence</b>	{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}-NH <sub>2</sub>
<b>Sequence Shortening</b>	KCNTATCATQRLANFLVHSSNFGAILSSTNVGSNTY-NH <sub>2</sub>
<b>Molecular Formula</b>	C <sub>165</sub> H <sub>261</sub> N <sub>51</sub> O <sub>55</sub> S <sub>2</sub>
<b>C Terminal</b>	NH <sub>2</sub>
<b>Disulfide Bridge</b>	Cys2-Cys7
<b>Molecular Weight</b>	3903.28

## Properties

<b>Purity</b>	> 95%
<b>Solubility</b>	Can be dissolved in DMSO or DMF first and then dilute with water
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C. Keep container tightly closed. Store in a cool dry place.