

Product datasheet

Amylin (rat), Endogenous peptide ab142399

1 Image

Overview

Product name	Amylin (rat), Endogenous peptide
Description	Endogenous peptide secreted by pancreatic β-cells
Biological description	Endogenous peptide secreted by pancreatic β-cells. Potently activates amylin, calcitonin (EC ₅₀ = 0.67 nM), CGRP and adrenomedullin receptors. Potently inhibits insulin-stimulated glucose uptake (IC ₅₀ = 12 pM). Implicated in type II diabetes. Active <i>in vivo</i> . Human (ab142398) and feline (ab142397) amylin also available.
Purity	> 95%
Chemical structure	Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-His-Ser-Ser-Asn-Asn-Leu-Gly-Pro-Val-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH ₂ (Disulfide bridge: 2-7)

Properties

Molecular weight	3918.47
Molecular formula	C ₁₆₇ H ₂₇₂ N ₅₂ O ₅₃ S ₂
Sequence	KCNTATCATQRLANFLVRSSNNLGPVLPPTNVGSNTY (Modifications: C-terminal amide; Disulfide bonds: 2-7)
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
Source	Synthetic

Images

Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-His-Ser-Ser-Asn-Asn-Leu-Gly-Pro-Val-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH₂ (Disulfide bridge: 2-7)

2D chemical structure image of ab142399, Amylin (rat),
Endogenous peptide

Chemical Structure - Amylin (rat), Endogenous
peptide (ab142399)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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