

Amylin (8-37) (human)

Cat. No.:	HY-P3926
CAS No.:	309244-90-4
Molecular Formula:	C ₁₃₈ H ₂₁₅ N ₄₁ O ₄₆
Molecular Weight:	3184.43
Sequence Shortening:	ATQRLANFLVHSSNFGAILSSTNVGSNTY
Target:	Amylin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Amylin (8-37) (human) (hIAPP (8-37)) is a 8-37 fragment of human islet amyloid polypeptide (IAPP). The duplex folding structure in the Amylin (8-37) (human) assembly has a hairpin structure ^[1] .
In Vitro	Human islet amyloid polypeptide (hIAPP, amylin) is a major component in pancreatic amyloid deposits. Human IAPP with 37 amino acid residues is known to form soluble aggregates that further assemble into protofibrils and mature fibrils and eventually develop into plaques, and many studies have been conducted to identify the core regions with amyloidogenic properties. The assembly structures of Amylin (8-37) (human) (hIAPP (8-37)) shows lamella structures. The C terminal strands of Amylin (8-37) (human) peptides are stabilized by the coassembly molecule 4Bpy ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiao-Bo Mao, et al. Beta structure motifs of islet amyloid polypeptides identified through surface-mediated assemblies. Proc Natl Acad Sci U S A. 2011 Dec 6;108(49):19605-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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