

Recombinant Human IAPP protein, MYC/DDK-tagged

Cat. No. IAPP-28H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IAPP fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Islet, or insulinoma, amyloid polypeptide is commonly found in pancreatic islets of patients suffering diabetes mellitus type II, or harboring an insulinoma. While the association of amylin with the development of type II diabetes has been known for some time, a direct causative role for amylin has been harder to establish. Studies suggest that amylin, like the related beta-amyloid (Abeta) associated with Alzheimer's disease, can induce apoptotic cell-death in particular cultured cells, an effect that may be relevant to the development of type II diabetes.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	3.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	IAPP islet amyloid polypeptide [Homo sapiens]
Official Symbol	IAPP
Synonyms	DAP; IAP; islet amyloid polypeptide; Islet amyloid polypeptide (diabetes-associated peptide; amylin); amylin; diabetes-associated peptide; insulinoma amyloid peptide
Gene ID	3375
mRNA Refseq	NM_000415
Protein Refseq	NP_000406
MIM	147940
UniProt ID	P10997
Chromosome Location	12p12.1
Pathway	Amyloids, organism-specific biosystem; Calcitonin-like ligand receptors, organism-specific biosystem; Disease, organism-specific biosystem
Function	hormone activity; identical protein binding; receptor binding