

Recombinant Human IAPP 293 Cell Lysate

Cat. No. IAPP-5319HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for islet amyloid polypeptide (IAPP) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

IAPP islet amyloid polypeptide [Homo sapiens]

Official Symbol

IAPP

Synonyms

IAPP; islet amyloid polypeptide; AMYLIN; amylin; DAP; IAP; insulinoma amyloid peptide; diabetes-associated peptide; Islet amyloid polypeptide (diabetes-associated peptide; amylin);

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; Class B/2 (Secretin family receptors), organism-specific biosystem; Developmental Biology, organism-specific biosystem; Disease, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR

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downstream signaling, organism-specific biosystem;

Function

hormone activity; receptor binding;

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