

Product datasheet for **TP315074**

Amylin (IAPP) (NM_000415) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human islet amyloid polypeptide precursor (IAPP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215074 representing NM_000415 Red =Cloning site Green =Tags(s) MGILKLQVFLIVLSVALNHLKATPIESHQVEKRKCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY GKRNAVEVLKREPLNYLPL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	3.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000406
Locus ID:	3375
UniProt ID:	P10997 , A0A024RAU1
RefSeq Size:	1462
Cytogenetics:	12p12.1



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RefSeq ORF: 267

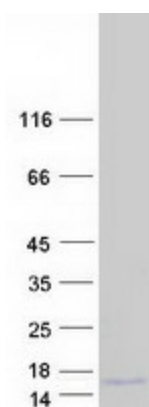
Synonyms: DAP; IAP

Summary: This gene encodes a member of the calcitonin family of peptide hormones. This hormone is released from pancreatic beta cells following food intake to regulate blood glucose levels and act as a satiation signal. Human patients with type 1 and advanced type 2 diabetes exhibit reduced levels of the encoded hormone in blood and pancreas. This protein also exhibits a bactericidal, antimicrobial activity. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Maturity onset diabetes of the young

Product images:



Coomassie blue staining of purified IAPP protein (Cat# TP315074). The protein was produced from HEK293T cells transfected with IAPP cDNA clone (Cat# [RC215074]) using MegaTran 2.0 (Cat# [TT210002]).