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Datasheet for ABIN1945400

PPY Protein (AA 30-88) (His tag)

Overview

Quantity:	50 µg
Target:	PPY
Protein Characteristics:	AA 30-88
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPY protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Pancreatic Polypeptide/PPY (C-6His)
Sequence:	APLEPVYPGD NATPEQMAQY AADLRRYINM LTRPRYGKRH KEDTLAFSEW GSPHAAVPRV DHHHHHHH
Characteristics:	Recombinant Human PPY is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 30-88) of Human PPY fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PPY
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Target Details

Alternative Name: Pancreatic Prohormone ([PPY Products](#))

Background: PPY belongs to the NPY family and is synthesized as a 95 aa polypeptide precursor in the pancreatic islets of Langerhans. It is cleaved into two peptide products, the active hormone of 36 aa and an icosapeptide of unknown function. The hormone acts as a regulator of pancreatic and gastrointestinal functions and may be important in the regulation of food intake. Plasma level of this hormone has been shown to be reduced in conditions associated with increased food intake and elevated in anorexia nervosa.

Molecular Weight: 7.8 kDa

UniProt: [P01298](#)

Pathways: [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.