

Recombinant Human PPY cell lysate

Cat. No. PPY-1408HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene belongs to the NPY family and it encodes a protein that 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. In addition, infusion of this hormone in obese rodents has shown to decrease weight gain.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PPY pancreatic polypeptide [Homo sapiens]
Official Symbol	PPY

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Synonyms	PPY; pancreatic polypeptide; pancreatic prohormone; pancreatic polypeptide Y; PNP; PP;
Gene ID	5539
mRNA Refseq	NM_002722
Protein Refseq	NP_002713
MIM	167780
UniProt ID	P01298
Chromosome Location	17p11.1-qter
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	G-protein coupled receptor binding; hormone activity; receptor binding;