

PPY Protein, Human (HEK293, His)

Cat. No.:	HY-P71062
Synonyms:	Pancreatic prohormone; Pancreatic polypeptide; PNP; PPY
Species:	Human
Source:	HEK293
Accession:	P01298 (A30-R88)
Gene ID:	5539
Molecular Weight:	12-14 kDa

PROPERTIES

AA Sequence	A P L E P V Y P G D N A T P E Q M A Q Y A A D L R R Y I N M L T R P R Y G K R H K E D T L A F S E W G S P H A A V P R
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PPY, a hormone secreted by pancreatic cells, serves as a crucial regulator of both pancreatic and gastrointestinal functions. Its mode of action likely involves signaling through the G protein-coupled receptor NPY4R2, orchestrating intricate processes to maintain homeostasis and coordinate responses within the pancreatic and gastrointestinal systems.
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Caution: Product has not been fully validated for medical applications. For research use only.

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