

Product datasheet for **SC126039**

Pancreatic Polypeptide (PPY) (BC032225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pancreatic Polypeptide (PPY) (BC032225) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pancreatic Polypeptide
Synonyms:	PNP; PP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC032225 edited ATGGCTGCCGCACGCCTCTGCCTCTCCCTGCTGCTCCTGTCCACCTGCGTGGCTCTGT CTACAGCCACTGCTGGGTGCCAGGGAGCCCCACTGGAGCCAGTGTACCCAGGGACA GCCACACCAGAGCAGATGGCCAGTATGCAGCTGATCTCCGTAGATACATCAACATGCT ACCAGGCCTAGGTATGGGAAAAGACACAAGAGGACACGCTGGCCTTCTCGGAGTGGGG TCCCCGCATGCTGCTGTCCCAGGGAGCTCAGCCCGCTGGACTTATAATGCCACCTCTG TCTCCTACGACTCCATGAGCAGCGCCAGCCAGCTCTCCCTCTGCACCTTGGCTCTGG CCAAAGCTTGCTCCCTGCTCCCACACAGGCTCAATAAAGCAAGTCAAAGCCAAAAA AA AA
Restriction Sites:	Please inquire
ACCN:	BC032225
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



[View online »](#)

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC032225.2](#), [AAH32225.1](#)

RefSeq Size: 527 bp

Locus ID: 5539

Cytogenetics: 17q21.31

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the neuropeptide Y (NPY) family of peptides. The encoded 95 aa preproprotein is synthesized in the pancreatic islets of Langerhans and proteolytically processed to generate two peptide products. These products include the active pancreatic hormone of 36 aa and an icosapeptide of unknown function. This 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. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]