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Product datasheet for RC208334L3V

Peptide YY (PYY) (NM_004160) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Peptide YY (PYY) (NM_004160) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Peptide YY
Synonyms:	PYY-I; PYY1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004160
ORF Size:	291 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208334).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_004160.3
RefSeq Size:	1069 bp
RefSeq ORF:	294 bp
Locus ID:	5697
UniProt ID:	P10082
Cytogenetics:	17q21.31
Protein Families:	Secreted Protein, Transmembrane
MW:	11.1 kDa

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Gene Summary: This gene encodes a member of the neuropeptide Y (NPY) family of peptides. The encoded preproprotein is proteolytically processed to generate two alternative peptide products that differ in length by three amino acids. These peptides, secreted by endocrine cells in the gut, exhibit different binding affinities for each of the neuropeptide Y receptors. Binding of the encoded peptides to these receptors mediates regulation of pancreatic secretion, gut mobility and energy homeostasis. Rare variations in this gene could increase susceptibility to obesity and elevated serum levels of the encoded peptides may be associated with anorexia nervosa. [provided by RefSeq, Feb 2016]