

## Product datasheet for **TP308334**

### Peptide YY (PYY) (NM\_004160) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptide YY (PYY), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208334 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MVFVRRPWPALTTVLLALLVCLGALVDAYPIKPEAPGEDASPEELNRYASLRHYLNLVTRQRYGKRDGP DRLLSKTFFPDGEDRPVRSRSEGPDLW
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	11 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004151</a>
Locus ID:	5697
UniProt ID:	<a href="#">P10082</a>
RefSeq Size:	1069
Cytogenetics:	17q21.31



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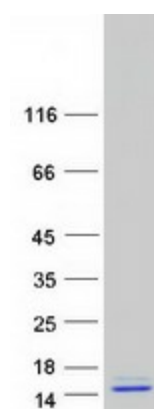
RefSeq ORF: 291

Synonyms: PYY-I; PYY1

**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]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified PYY protein (Cat# TP308334). The protein was produced from HEK293T cells transfected with PYY cDNA clone (Cat# [RC208334]) using MegaTran 2.0 (Cat# [TT210002]).