

Product datasheet for **TP308334M**

Peptide YY (PYY) (NM_004160) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human peptide YY (PYY), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone
or AA Sequence: >RC208334 protein sequence
Red=Cloning site **Green**=Tags(s)

MVFVRRPWPALTTVLLALLVCLGALVDAYPIKPEAPGEDASPEELNRYASLRHYLNLVTRQRYGKRDGP
DRLLSKTFFPDGEDRPVRSRSEGPDLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NP_004151](#)

Locus ID: 5697

UniProt ID: [P10082](#)

RefSeq Size: 1069

Cytogenetics: 17q21.31



[View online »](#)

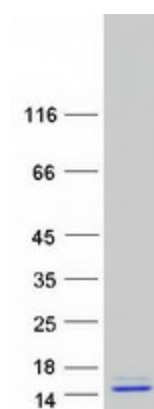
RefSeq ORF: 291

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]).