

Recombinant Full Length Human PYY Protein, Flag tagged

Cat. No. PYY-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human peptide YY (PYY) with Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-97 aa
Description	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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	11 kDa
AASequence	MVFVRRPWPALTTVLLALLVCLGALVDAYPIKPEAPGEDASPEELNRYYSASLRHYLN LVTRQRYGKRDGPDRLLSKTFPPDGEDRPVRSRSEGPDLWTRTRPLEQKLISEEDL AANDILDYKDDDDKV

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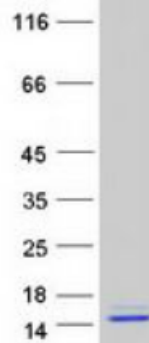
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method
Shipping	Dry ice
GENE INFORMATION	
Gene Name	PYY peptide YY [Homo sapiens (human)]
Official Symbol	PYY
Synonyms	PYY; peptide YY; PYY1; PYY-I; peptide YY; peptide tyrosine tyrosine; prepro-PYY
Gene ID	5697
mRNA Refseq	NM_004160
Protein Refseq	NP_004151
MIM	600781
UniProt ID	P10082

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SDS-PAGE

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