

Datasheet for ABIN7491201

Peptide YY Protein (PYY) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	Peptide YY (PYY)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Peptide YY protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human PYY with N-terminal human Fc tag
Specificity:	hFc (Glu99-Ala330) PYY (Tyr29-Tyr64)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Peptide YY (PYY)
Alternative Name:	PYY (PYY Products)
Background:	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,

Target Details

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]

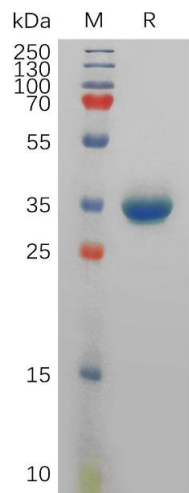
Molecular Weight:	predicted molecular mass of 30.5 kDa after removal of the signal peptide.The apparent molecular mass of hFc-PYY is 35-55 kDa due to glycosylation.
UniProt:	P10082

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human PYY Protein, hFc Tag on SDS-PAGE under reducing condition.