PRODUCT INFORMATION

Target	PYY
Synonyms	PYY-I;PYY1
Description	Recombinant Human PYY with N-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P10082
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) PYY(Tyr29-Tyr64)
Molecular Weight	The protein has a predicted molecular mass of 30.5 kDa after removal of the signal peptide.The apparent molecular mass of hFc-PYY is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
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, 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]
Usage	Research use only
Conjugate	Unconjugated

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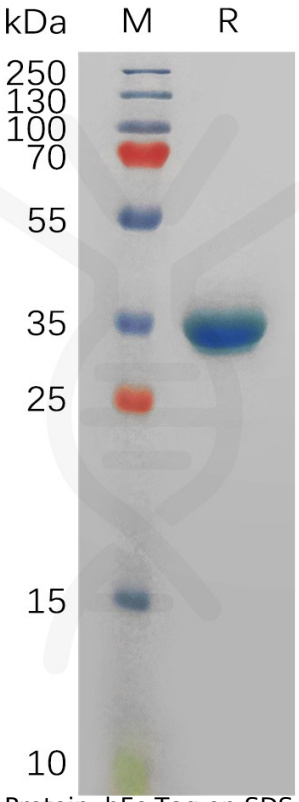


Figure 1. Human PYY Protein, hFc Tag on SDS-PAGE under reducing condition.

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