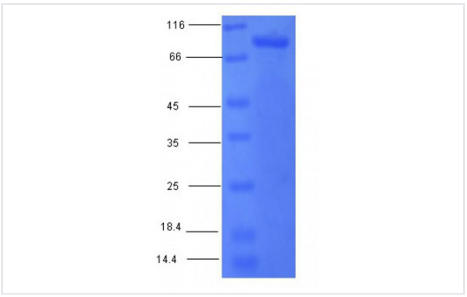
PYY Recombinant Protein

PRODUCT OVERVIEW

Product Name	PYY, Recombinant Protein
Full Product Name	PYY protein
Product Gene Name	PYY recombinant protein
Product Synonym Names	PYY I protein; Peptide tyrosine tyrosine protein; Peptide YY(3 36) protein; PYY II protein; Peptide YY protein
Host	Human
Form/Format	Supplied in liquid form in PBS buffer with 20 mM GSH
Purity/Purification	> 90% pure
Preparation and Storage	Store at 4 degree C in a working aliquot for 1 week. For long term storage, aliquot and freeze at -20 to -80 degree C, avoid repeat freeze/thaw cycles
Molecular Weight	30 kDa
OMIM	600781
3D Structure	ModBase 3D Structure for P10082
Protein Type	Recombinant
Expression System	E Coli
Product Categories/Family for PYY recombinant protein	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for PYY recombinant protein	ELISA (EIA), SDS-PAGE, Western Blot (WB)
Related Product Information for PYY recombinant protein	MBS5304485 is a recombinant protein targeting PYY. Also known as PYY protein. Host: Human. Purified recombinant PYY protein
Other Notes	Small volumes of PYY recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of PYY recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PYY. It may not necessarily be applicable to this product.

NCBI GI #	49457254

NCBI GeneID	5697
NCBI Accession #	CAG46926.1
UniProt Primary Accession #	P10082
UniProt Secondary Accession #	Q5U5Q6; Q6FGH8
UniProt Related Accession #	P10082
NCBI Official Full Name	PYY
NCBI Official Synonym Full Names	peptide YY
NCBI Official Symbol	PYY
NCBI Official Synonym Symbols	PYY1; PYY-I
UniProt Protein Name	Peptide YY
UniProt Synonym Protein Names	PYY-II
Protein Family	Peptide
UniProt Gene Name	PYY
UniProt Synonym Gene Names	PYY
UniProt Entry Name	PYY_HUMAN
NCBI Protein Information	peptide YY
NCBI Summary for PYY	The protein encoded by this gene is proteolytically processed to release a peptide that inhibits pancreatic secretion and mobility in the gut. Rare variations in this gene could increase susceptibility to obesity. [provided by RefSeq, Jul 2010]
UniProt Comments for PYY	PYY: This gut peptide inhibits exocrine pancreatic secretion, has a vasoconstrictory action and inhibitis jejunal and colonic mobility. Belongs to the NPY family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 17q21.1 Cellular Component: extracellular space; extracellular region Molecular Function: neuropeptide hormone activity; protein binding; G-protein-coupled receptor binding; hormone activity Biological Process: G-protein coupled receptor protein signaling pathway; cell proliferation; cell-cell signaling; neuropeptide signaling pathway; eating behavior; digestion; regulation of appetite; feeding behavior; cytoskeleton organization and biogenesis; cell motility Disease: Obesity
Research Articles on PYY	**1.** These results indicate that circulating PYY may have buffering effects during the early stages of smoking cessation while ghrelin may confer increased risk of smoking relapse.
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