

NPY 抗原（重组蛋白）

中文名称： NPY 抗原（重组蛋白）

英文名称： NPY Antigen (Recombinant Protein)

相关类别： 抗原

储 存： 冷冻（-20℃） 避光

概述

Fusion protein corresponding to a region derived from 1-97 amino acids of human NPY

技术规格

Full name:	neuropeptide Y
Synonyms:	PYY4
Swissprot:	P01303
Gene Accession:	BC029497
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a neuropeptide that is widely expressed in the central nervous system and influences many physiological processes, including cortical excitability, stress response, food intake, circadian rhythms, and cardiovascular function. The neuropeptide functions through G protein-coupled receptors to inhibit adenylyl cyclase, activate mitogen-activated protein kinase (MAPK), regulate intracellular calcium levels, and activate potassium channels. A polymorphism in this gene resulting in a change of leucine 7 to proline in the signal peptide is associated with elevated cholesterol levels, higher alcohol consumption, and may be a risk factor for various metabolic and cardiovascular diseases. The protein also exhibits antimicrobial activity against bacteria and fungi.

