

Recombinant Human NPY

Catalog No: C932

Description	Recombinant Human Pro-Neuropeptide Y is produced by our Mammalian expression system and the target gene encoding Tyr29-Trp97 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Pro-Neuropeptide Y; Neuropeptide Y; Neuropeptide Tyrosine; NPY; C-Flanking Peptide of NPY; CPON; NPY
Accession No.	P01303
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	YPSKPDNPGEDAPAEDMARYYSALRHYINLITRQRYGKRSSPETLISDLLMRESTENVPRTRLDPAMWVD HHHHHH

Background

Pro-Neuropeptide Y (NPY) is a member of the NPY family. NPY is a secreted protein and is one of the most abundant peptides in the nervous system. It also can be found in some chromaffin cells of the adrenal medulla. NPY can be cleaved into Neuropeptide Y and C-flanking peptide of NPY chain, which regulates energy usage, and it is involved in learning, memory processing, and epilepsy. NPY is implicated in the control of feeding and in secretion of gonadotrophin-release hormone. In addition, NPY increases the proportion of energy stored as fat and blocks nociceptive signals to the brain.

SDS-Page

