

## Recombinant Human NPY (C-6His)

Catalog #	EPT304
Expression Host	Human Cells
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.
Accession	P01303
Synonyms	Pro-Neuropeptide Y; Neuropeptide Y; Neuropeptide
	Tyrosine; NPY; C-Flanking Peptide of NPY; CPON; NPY
Mol Mass	9.1 KDa
AP Mol Mass	13 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM
	PB, 150m MNaCl, pH 7.4
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.

STORAGELyophilized protein should be stored at < -20 ° C,<br/>though stable at room temperature for 3 weeks.<br/>Reconstituted protein solution can be stored at 4-7°C<br/>for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

**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



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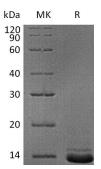
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processing, and epilepsy. NPY is implicated in the control of feeding and in secretion of gonadotrophin-release hormone. In addition, NPY increases the proportion of energy stored as fat and blocks nociceptive signals to the brain.



## **SDS-PAGE**



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