

AR31131PU-N**Human, Rat Neuropeptide Y / NPY****Quantity:**

0.5 mg

Background:

Neuropeptide Y is one of the most abundant neuropeptides in the brain. NPY is a highly potent neurotransmitter in reproductive endocrine functions. Furthermore, neuropeptide Y is involved in endocrine functions regulating stress, metabolism, and eating behavior. Studies on the role of the peptide in appetite and body weight control showed that neuropeptide Y is one of the most potent orexigenic peptides.

Uniprot ID:[P01303](#)**NCBI:**[NP_000896.1](#)**GeneID:**[4852](#)**Species:**

Human, Rat

Format:**State:** Purified peptide**Purity:** >95% by HPLC**Description:**

Neuropeptide Y (Human, Rat).

Formula: C₁₈₉H₂₈₅N₅₅O₅₇S**AA Sequence:**YPSKPDNPGEDAPAEDMARYYSALRHYINLITRQRY-CONH₂ (1-Letter code).^Å

H-Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Met-Ala-Arg

-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH₂
(3-Letter code).**Molecular weight:** 4271.66 Da**Storage:**

Upon receipt, store undiluted (in aliquots) at -20°C.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.

General Readings:

1. Minth CD, Bloom SR, Polak JM, Dixon JE. Cloning, characterization, and DNA sequence of a human cDNA encoding neuropeptide tyrosine. Proc Natl Acad Sci U S A. 1984 Jul;81(14):4577-81. PubMed PMID: 6589611.