

Recombinant Human NPY

Catalog No: #GP10644



Package Size: #GP10644-1 100ug

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Description

Product Name	Recombinant Human NPY
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	neuropeptide Y
Other Names	PYY4
Accession No.	Swissprot:P01303Gene Accession:BC029497
Uniprot	P01303
GeneID	4852;
Storage	-20~-80°C, pH 7.6 PBS

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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