

PACAP-Related Peptide (PRP), human
Synthetic Peptide
Catalog # SP2624a

Specification

PACAP-Related Peptide (PRP), human - Product Information

Primary Accession
Sequence

[P18509](#)
NH2-DVAHGILNEAYRKVLDQLSAGKHLQSLVA
-CONH2

PACAP-Related Peptide (PRP), human - Additional Information

Gene ID 116

Other Names

Pituitary adenylate cyclase-activating polypeptide, PACAP, PACAP-related peptide, PRP-48, Pituitary adenylate cyclase-activating polypeptide 27, PACAP-27, PACAP27, Pituitary adenylate cyclase-activating polypeptide 38, PACAP-38, PACAP38, ADCYAP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PACAP-Related Peptide (PRP), human - Protein Information

Name ADCYAP1

Function

Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells. Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway. In chromaffin cells, induces long-lasting increase of intracellular calcium concentrations and neuroendocrine secretion (By similarity). Involved in the control of glucose homeostasis, induces insulin secretion by pancreatic beta cells (By similarity).

Cellular Location

Secreted.

PACAP-Related Peptide (PRP), human - Images