

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

**Specification**

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

Primary Accession [P18509](#)  
Sequence **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**