

**PACAP-38 (16-38), human, ovine, rat**  
**Synthetic Peptide**  
**Catalog # SP3000b****Specification**

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**PACAP-38 (16-38), human, ovine, rat - Product Information**

Primary Accession	<a href="#">O70176</a>
Other Accession	<a href="#">P13589</a> , <a href="#">P41534</a> , <a href="#">P18509</a> , <a href="#">P41535</a> , <a href="#">Q29W19</a>
Sequence	NH2-QMAVKKYLA AVL GKRYKQ RVKNK-CONH 2

**PACAP-38 (16-38), human, ovine, rat - Additional Information****Gene ID** 11516**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, Pacap

**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-38 (16-38), human, ovine, rat - Protein Information****Name** Adcyap1**Synonyms** Pacap**Function**

Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells (By similarity). Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway (By similarity). 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 (PubMed:<a href="http://www.uniprot.org/citations/23913443" target="\_blank">23913443</a>).

**Cellular Location**

Secreted.

**PACAP-38 (16-38), human, ovine, rat - Images**

