

PACAP (1-38), human, ovine, rat

Synthetic Peptide Catalog # SP2830b

Specification

PACAP (1-38), human, ovine, rat - Product Information

Primary Accession Other Accession Sequence

O70176
P13589, Q29W19, P16613, P18509, P41535
NH2-HSDGIFTDSYSRYRKQMAVKKYLAAVLGK
RYKQRVKNK-CONH2

PACAP (1-38), 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, PACAP-27, Pituitary adenylate cyclase-activating polypeptide 38, PACAP-38, PACAP-38, 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.

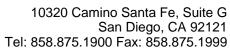
PACAP (1-38), human, ovine, rat - Protein Information

Name Adcyap1 {ECO:0000312|MGI:MGI:105094}

Synonyms Pacap

Function

PACAP is a neuropeptide involved in diverse array of physiological processes through activating the PACAP subfamily of class B1 G protein-coupled receptors: VIP receptor 1 (VIPR1), VIP receptor 2 (VIPR2), and PACAP type I receptor (ADCYAP1R1) (By similarity). Exerts neuroprotective and general cytoprotective effects due to anti- apoptotic, anti-inflammatory, and antioxidant actions (PubMed:18055122). 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:23913443). PACAP exists





which differ by eleven amino acid residues in the C-terminus (By similarity).

Cellular Location Secreted.

PACAP (1-38), human, ovine, rat - Images