

PACAP 38 Peptide (Frog)

Subcategory: Synthetic Peptide

Cat. No.: 350322

Unit: 1 mg

Description:

PACAP 38 Peptide (Frog) (Cat. No. 350322) corresponds to aa127-164 region of PACAP prohormone with C-term amidation. Pituitary adenylate cyclase-activating polypeptide (PACAP) is a 19-kDa prohormone (171 aa in frog) processed into PACAP-related peptide (PRP-48, aa79-124), PACAP-27 (aa127-153) and PACAP-38 (aa127-164). PACAP stimulates adenylate cyclase in pituitary cells, playing pivotal roles as neurotransmitter and neuromodulator. PACAP belongs to the glucagon family, it induces insulin secretion by pancreatic beta cells.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Pituitary adenylate cyclase-activating polypeptide 27; PACAP-27; PACAP27; Pituitary adenylate cyclase-activating polypeptide 38; PACAP-38; PACAP38; ADCYAP1

Accession No.: Q09169

MW: 4548.38 g/mol

Sequence: Frog: H-His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Leu-Gly-Lys-Arg-Tyr-Lys-Gln-Arg-Ile-Lys-Asn-Lys-NH₂ or H-HSDGIFTDSYSRYRKQMAVKKYLA AVLGKRYKQRIKKNK-NH₂

Composition: C204H333N63O53S

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.