

ACTH

Synthetic Human ACTH/Adrenocorticotrophic Hormone

Catalog No.	CRA108A	Quantity:	2 mg
	CRA108B		10 mg
	CRA108C		50 mg

Alternate Names: Corticotropin-lipotropin, Pro-opiomelanocortin, POMC, LPH, MSH, NPP, POC, CLIP, Tetracosactide.

Description: Adrenocorticotrophic hormone, as its name implies, stimulates the adrenal cortex. More specifically, it stimulates secretion of glucocorticoids such as cortisol, and has little control over secretion of aldosterone, the other major steroid hormone from the adrenal cortex. It stimulates secretion of adrenal corticosteroids, induces growth of the adrenal cortex, and directly activates G-proteins. It is a stimulator of adenylate cyclase and cAMP formation.

Gene ID: 5443

UniProtKB: P01189

Molecular Formula: C₁₃₆H₂₁₀N₄₀O₃₁S

Molecular Weight: 2933.5 Dalton

Source: Synthetic

Formulation: Lyophilized from a sterile filtered solution with no additives.

Purity: >98% by RP-HPLC and SDS-PAGE.

Amino Acid Sequence: SYSMEHFRWGKPVGKKRRPVKVYP

Reconstitution: **Centrifuge vial prior to opening.** Reconstitute in sterile distilled water at not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.

Storage & Stability: Upon receipt, store desiccated at -20 °C. Upon reconstitution, store at 2-8 °C for up to a week. For long term storage add a carrier protein (0.1% HSA or BSA), and freeze aliquots at -20 °C. **Avoid repeated freeze-thaw cycles.**

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