**ACTH [1-24] Peptide**

**Subcategory:** Synthetic Peptide  
**Cat. No.:** 350023  
**Unit:** 1 mg

**Description:** Adrenocorticotropic hormone (ACTH), also known as corticotropin, is produced and secreted by the anterior pituitary gland. ACTH is an important component of the hypothalamic-pituitary-adrenal axis as a response to biological stress. ACTH secretion is triggered by the corticotropin-releasing hormone (CRH) released from the hypothalamus, and stimulates the adrenal glands to release corticosteroids such as cortisol. ACTH [1-39] corresponds to full-length ACTH. ACTH [1-24] is conserved across species and is 75% as potent as ACTH. ACTH [1-10] has no ACTH activity but alter blood pressure. ACTH [4-10] has neurological effects.

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

**Alternate Names:** Adrenocorticotropic hormone; ACTH; corticotropin

**Accession No.:** P01189

**MW:** 2933.5 g/mol  
**Sequence:** Human: H-Ser-Tyr-Ser-Met-Glu-His-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Pro-Val-Arg-Val-Tyr-Pro-OH or H-SYSMEHFRWGKPVGKKRRPVKYP-OH  
**Composition:** C136H210N40O31S  
**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.