Name	Adrenocorticotropic (Hormone human) (1-24)
Cat #	PP-1010
Size	1 g, 10 g, 100, g and bulk custom packages
CAS#	16960-16-0
Mol. Mass	2933.44
Formula	C136H210N40O31S
Sequence	Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Arg-Arg-Pro-Vai-Lys-Val-Tyr-Pro
Purity	>95%

ACTH is synthesized from pro-opiomelanocortin (POMC) and secreted from corticotropes in the anterior lobe (or adenohypophysis) of the pituitary gland in response to the hormone corticotrophin-releasing hormone (CRH) released by the hypothalamus. It is also produced by cells of immune system (T cells, B cells and macrophages) as a response to stimuli that go along with stress (including CRH).

Adrenocorticotropic hormone (ACTH or corticotropin) is a polypeptide tropic hormone produced and secreted by the anterior pituitary gland. It is an important component of the hypothalamic-pituitary-adrenal axis and is often produced in response to biological stress (along with corticotropin-releasing hormone from the hypothalamus). Its principal effects are increased production of androgens and, as its name suggests, cortisol from the adrenal cortex.

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