

---

## Product Data Sheet

---

Product Name: ACTH  
Cat. No.: GP21228  
Batch No.: 1

### Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Corticotropin-lipotropin; Pro-opiomelanocortin; POMC; ACTH; LPH; MSH; NPP; POC; CLIP; Tetracosactide.		
Amino Acid Sequence	Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-OH.		
Solubility	It is recommended to reconstitute the lyophilized ACTH in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The ACTH hormone was lyophilized with no additives.		

### Introduction

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. Stimulates secretion of adrenal corticosteroids and induces growth of adrenal cortex. ACTH also called Tetracosactide directly activates G-proteins. A stimulator of adenylate cyclase and cAMP formation.

### Stability

Lyophilized Adrenocorticotrophic Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution ACTH should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

The Molecular formula of Adrenocorticotrophic Hormone is C<sub>136</sub>H<sub>210</sub>N<sub>40</sub>O<sub>31</sub>S and the molecular weight is 2933.5 Dalton.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**