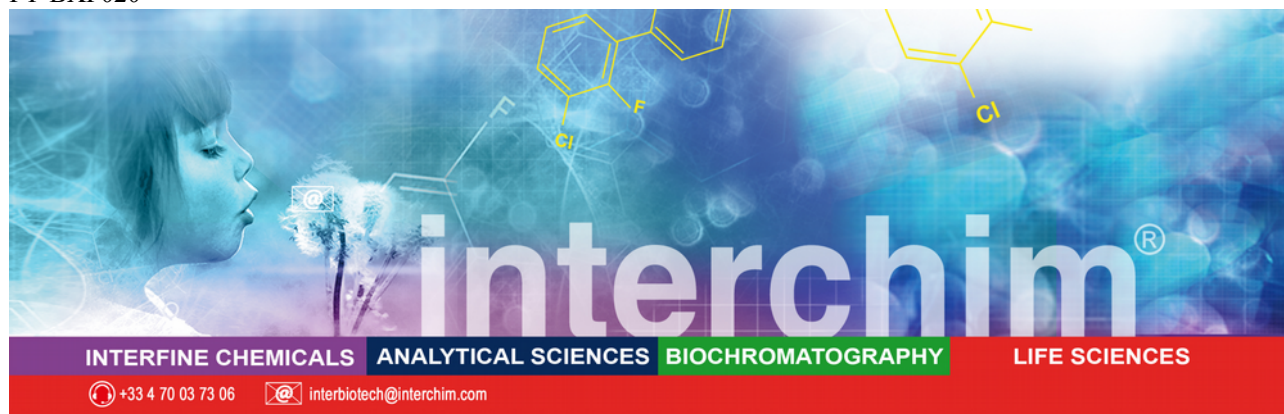


FT-BXF020



## ACTH

### Product Description

- Catalog #:** BXF020, 2 mg BXF021, 10mg BXF022, 50mg  
**Name :** **ACTH**  
 Corticotropin-lipotropin, Pro-opiomelanocortin, POMC, ACTH, LPH, MSH, NPP, POC, CLIP, Tetracosactide.  
**Physical Appearance :** Sterile Filtered White lyophilized (freeze-dried) powder.  
**Formulation :** The ACTH hormone was lyophilized with no additives.  
**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.  
**Purity :** Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.  
**Storage :** Lyophilized Adrenocorticotropic 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.

For Research Use Only

### Introduction

Adrenocorticotropic 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.

### Technical and Scientific Information

#### Description

The Molecular formula of Adrenocorticotropic 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.

#### 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.

### Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

Please contact InterBioTech – Interchim for any other information

Hotline : +33(0)4 70 03 73 06 – [interbiotech@interchim.com](mailto:interbiotech@interchim.com)

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