POMC
Synthetic Human ACTH/Adrenocorticotropin Hormone

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Quantity:</th>
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<tbody>
<tr>
<td>CRA108A</td>
<td>2.0 mg</td>
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<tr>
<td>CRA108B</td>
<td>10 mg</td>
</tr>
<tr>
<td>CRA108C</td>
<td>50 mg</td>
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</tbody>
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Alternate Names: Corticotropin-lipotropin, Pro-opiomelanocortin, POMC, ACTH, LPH, MSH, NPP, POC, CLIP, Tetracosactide.

Description: 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. 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

Molecular Weight: 2933.44 Dalton

Formulation: The protein was lyophilized from a sterile filtered 1 mg/ml solution with no additives.

Purity: >98.0% as determined by RP-HPLC and SDS-PAGE analyses.


Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Reconstitution: Centrifuge vial prior to opening. It is recommended to reconstitute the lyophilized ACTH in sterile distilled water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized Adrenocorticotropic Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -20°C. Upon reconstitution ACTH should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein 0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

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