



碧云天生物技术/Beyotime Biotechnology  
 订货热线: 400-1683301 或 800-8283301  
 订货 e-mail: order@beyotime.com  
 技术咨询: info@beyotime.com  
 网址: http://www.beyotime.com

## ACTH(1-39) human (人促肾上腺皮质激素, 1-39)

产品编号	产品名称	包装
P9023-1mg	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)	1mg
P9023-5mg	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)	5mg
P9023-25mg	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)	25mg

### 产品简介:

About this protein	
Product name	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)
Alternative names	Adrenocorticotrophic Hormone 1-39, human; Corticotropin
Description	Adrenocorticotrophic hormone (ACTH), also known as corticotropin, is a cleavage product from a larger precursor proopiomelanocortin (POMC). This 39 amino acid-peptide hormone is produced in the anterior pituitary gland upon stimulation by the corticotropin releasing hormone from the hypothalamus in response to stress. It stimulates the secretion of steroid hormone, specifically glucocorticoids in the adrenal cortex by acting through a cell membrane receptor (ACTH-R). In mammals, the action of ACTH is limited to those areas of the adrenal cortex in which the glucocorticoid hormones cortisol (hydrocortisone) and corticosterone are formed. ACTH has little control over the secretion of aldosterone, the other major steroid hormone from the adrenal cortex.
Purity	>95%(HPLC)
CAS Number	12279-41-3
Molecular Formula	C <sub>207</sub> H <sub>308</sub> N <sub>56</sub> O <sub>58</sub> S
Molecular Weight	4541.1
Sequence (Three-Letter Code)	Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe
Sequence (One-Letter Code)	SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAEAFPLEF
Source	Synthetic
Reconstitution	Resuspend in water, at a concentration of $\geq 10$ mg/ml. DMSO may have high solubility, and sometimes need be sonicated. Notes: Above are relevant information that may provide a guideline on how to dissolve this peptide. Solubility may vary from batch to batch due to solvent of crystallization, residual solvent content, polymorphism, salt versus free form, degree of hydration, solvent temperature, and dissolved oxygen. End users need to test the solvents & solubility and adapt to their own specific applications.

### 包装清单:

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—	说明书	1份

### 保存条件:

-20°C或更低温度保存, 至少一年有效。由于多肽的每次冻融均会引起部分失活, 所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液), 须分装后-20°C或更低温度冻存, 以避免反复冻融。

### 注意事项:

- 本产品为冻干粉, 由于微量的多肽在冻干过程中沉积在管内, 形成很薄或不可见的多肽层, 所以在打开管盖前, 我们建议在离心机中约8,000-12,000g离心10-30秒, 使附着在管盖或管壁上的多肽聚集于管底。
- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

## 使用说明:

1. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明, 碧云天相关产品均为冻干粉, 由于微量的多肽在冻干过程中沉积在管内, 形成很薄或不可见的多肽层, 所以在打开管盖前, 我们建议在离心机中约8,000-12,000g离心10-30秒, 使附着在管盖或管壁上的多肽聚集于管底。
2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数多肽冻干粉是非常容易溶解的, 一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子, 即可使多肽完全溶解。请勿用vortex剧烈振荡, 以免多肽变性而失活。
3. 具体的最佳工作浓度请自行参考相关文献, 或者根据实验目的, 以及特定细胞和动物, 通过实验进行摸索和优化。

## 相关产品:

产品编号	产品名称	包装
P9019-1mg	ACTH(1-24) human (人促肾上腺皮质激素, 1-24)	1mg
P9019-5mg	ACTH(1-24) human (人促肾上腺皮质激素, 1-24)	5mg
P9019-25mg	ACTH(1-24) human (人促肾上腺皮质激素, 1-24)	25mg
P9023-1mg	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)	1mg
P9023-5mg	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)	5mg
P9023-25mg	ACTH(1-39) human (人促肾上腺皮质激素, 1-39)	25mg
P9028-1mg	ACTH(18-39) human (人促肾上腺皮质激素, 18-39)	1mg
P9028-5mg	ACTH(18-39) human (人促肾上腺皮质激素, 18-39)	5mg
P9028-25mg	ACTH(18-39) human (人促肾上腺皮质激素, 18-39)	25mg
P9032-1mg	ACTH(1-17) human (人促肾上腺皮质激素, 1-17)	1mg
P9032-5mg	ACTH(1-17) human (人促肾上腺皮质激素, 1-17)	5mg
P9032-25mg	ACTH(1-17) human (人促肾上腺皮质激素, 1-17)	25mg
P9037-1mg	ACTH(1-10) human (人促肾上腺皮质激素, 1-10)	1mg
P9037-5mg	ACTH(1-10) human (人促肾上腺皮质激素, 1-10)	5mg
P9037-25mg	ACTH(1-10) human (人促肾上腺皮质激素, 1-10)	25mg
P9041-1mg	ACTH(7-38) human (人促肾上腺皮质激素, 7-38)	1mg
P9041-5mg	ACTH(7-38) human (人促肾上腺皮质激素, 7-38)	5mg
P9041-25mg	ACTH(7-38) human (人促肾上腺皮质激素, 7-38)	25mg

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