



碧云天生物技术/Beyotime Biotechnology  
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## Amyloid $\beta$ Peptide(1-42) human

产品编号	产品名称	包装
P9001-0.2mg	Amyloid $\beta$ Peptide(1-42) human	0.2mg
P9001-1mg	Amyloid $\beta$ Peptide(1-42) human	1mg
P9001-5mg	Amyloid $\beta$ Peptide(1-42) human	5mg

### 产品简介:

About this protein	
Product name	Amyloid $\beta$ Peptide(1-42) human (人 $\beta$ -淀粉样蛋白, 1-42)
Alternative names	$\beta$ -Amyloid(1-42); A $\beta$ (1-42); A $\beta$ 42; $\beta$ -淀粉样蛋白(1-42)
Description	Amyloid $\beta$ Peptide(1-42), a major component of amyloid plaques, accumulates in neurons of Alzheimer's disease brains. Biochemical analysis of the amyloid peptides isolated from Alzheimer's disease brain indicates that A $\beta$ (1-42) is the principal species associated with senile plaque amyloids, while A $\beta$ (1-40) is more abundant in cerebrovascular amyloid deposit.
Purity	>95%(HPLC)
CAS Number	107761-42-2
Molecular Formula	C <sub>203</sub> H <sub>311</sub> N <sub>55</sub> O <sub>60</sub> S
Molecular Weight	4514.1
Sequence (Three-Letter Code)	Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala
Sequence (One-Letter Code)	DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA
Source	Synthetic
Reconstitution	Resuspend in any one of the following solvents: 1% NH <sub>4</sub> OH, 50mM Tris/150mM NaCl(pH 7.2), 0.1% TFA, 5mM HCl, 2mM NaOH, at a concentration of 1mg/ml or less. DMSO may have high solubility. Sonicate for 30 seconds to 1 minute after it has gone into solution. Gently vortex to mix. To bring into your solution: After resuspension, add 5x or 10x buffer stock (PBS, TBS) and water to bring to 1x buffer. Do not store in 1% NH <sub>4</sub> OH, dilute immediately with PBS. 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：

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P9001-5mg	Amyloid $\beta$ Peptide(1-42) human	5mg
P9005-0.2mg	Amyloid $\beta$ Peptide(42-1) human	0.2mg
P9005-1mg	Amyloid $\beta$ Peptide(42-1) human	1mg
P9005-5mg	Amyloid $\beta$ Peptide(42-1) human	5mg
P9010-0.2mg	Amyloid $\beta$ Peptide(1-40) human	0.2mg
P9010-1mg	Amyloid $\beta$ Peptide(1-40) human	1mg
P9010-5mg	Amyloid $\beta$ Peptide(1-40) human	5mg
P9014-0.2mg	Amyloid $\beta$ Peptide(40-1) human	0.2mg
P9014-1mg	Amyloid $\beta$ Peptide(40-1) human	1mg
P9014-5mg	Amyloid $\beta$ Peptide(40-1) human	5mg

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