



碧云天生物技术/Beyotime Biotechnology
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Mechano Growth Factor (机械生长因子)

产品编号	产品名称	包装
P9059-1mg	Mechano Growth Factor (机械生长因子)	1mg
P9059-5mg	Mechano Growth Factor (机械生长因子)	5mg
P9059-25mg	Mechano Growth Factor (机械生长因子)	25mg

产品简介:

About this protein	
Product name	Mechano Growth Factor (机械生长因子)
Alternative names	MGF; IGF-1 Ec
Description	A local growth factor or a local tissue repair factor. Combining physiological and molecular biology methods have indicated how a factor expressed by stressed muscle induces local muscle fiber repair and adaptation. Mechano Growth Factor (MGF) is derived from the insulin-like growth factor (IGF-I), but its sequence differs from the systemic IGF-I produced by the liver. MGF is expressed by mechanically overloaded muscle and is involved in tissue repair and adaptation. It is expressed as a pulse following muscle damage and is apparently involved in the activation of muscle satellite (stem) cells. These donate nuclei to the muscle fibers that are required for repair and for the hypertrophy processes which may have similar regulatory mechanisms.
Purity	>95%(HPLC)
CAS Number	N/A
Molecular Formula	C ₁₂₁ H ₁₉₉ N ₄₁ O ₄₀
Molecular Weight	2868.19
Sequence (Three-Letter Code)	H-Tyr-Gln-Pro-Pro-Ser-Thr-Asn-Lys-Asn-Thr-Lys-Ser-Gln-Arg-Arg-Lys-Gly-Ser-Thr-Phe-Glu-Glu-Arg-Lys-OH
Source	Synthetic
Reconstitution	Resuspend in water, at a concentration of ≥10mg/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
P9046-5mg	Octreotide Acetate (醋酸奥曲肽)	5mg
P9046-25mg	Octreotide Acetate (醋酸奥曲肽)	25mg
P9046-100mg	Octreotide Acetate (醋酸奥曲肽)	100mg
P9050-5mg	Desmopressin Acetate (醋酸去氨加压素)	5mg
P9050-25mg	Desmopressin Acetate (醋酸去氨加压素)	25mg
P9050-100mg	Desmopressin Acetate (醋酸去氨加压素)	100mg
P9055-5mg	Leuprorelin Acetate (醋酸亮丙瑞林)	5mg
P9055-25mg	Leuprorelin Acetate (醋酸亮丙瑞林)	25mg
P9055-100mg	Leuprorelin Acetate (醋酸亮丙瑞林)	100mg
P9059-1mg	Mechano Growth Factor (机械生长因子)	1mg
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P9064-1mg	Cetrorelix Acetate (醋酸西曲瑞克)	1mg
P9064-5mg	Cetrorelix Acetate (醋酸西曲瑞克)	5mg
P9064-25mg	Cetrorelix Acetate (醋酸西曲瑞克)	25mg
P9068-1mg	Deslorelin Acetate (醋酸德舍瑞林)	1mg
P9068-5mg	Deslorelin Acetate (醋酸德舍瑞林)	5mg
P9068-25mg	Deslorelin Acetate (醋酸德舍瑞林)	25mg
P9073-1mg	Cetrorelix Acetate (醋酸西曲瑞克)	1mg
P9073-5mg	Cetrorelix Acetate (醋酸西曲瑞克)	5mg
P9073-25mg	Cetrorelix Acetate (醋酸西曲瑞克)	25mg
P9077-5mg	Teriparatide Acetate (醋酸特立帕肽)	5mg
P9077-25mg	Teriparatide Acetate (醋酸特立帕肽)	25mg
P9077-100mg	Teriparatide Acetate (醋酸特立帕肽)	100mg
P9082-5mg	Somatostatin Acetate (醋酸生长抑素)	5mg
P9082-25mg	Somatostatin Acetate (醋酸生长抑素)	25mg
P9082-100mg	Somatostatin Acetate (醋酸生长抑素)	100mg

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