



碧云天生物技术/Beyotime Biotechnology
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Recombinant Human IL-17F

产品编号	产品名称	包装
P5210-5μg	Recombinant Human IL-17F	5μg
P5210-100μg	Recombinant Human IL-17F	100μg
P5210-500μg	Recombinant Human IL-17F	500μg

产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
Human	112744	Q96PD4	<i>E. coli</i>	134aa	30.1kDa	—

About this protein	
Name	Recombinant Human IL-17F (Recombinant Human Interleukin-17F; rHuIL-17F); 重组人白细胞介素17F
Synonyms	Cytokine ML-1; IL-17Finterleukin-17F; IL24; IL-24; interleukin 17F; Interleukin-24; ML-1; ML1interleukin-24
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by inducing IL-6 secretion of murine NIH/3T3 cells is less than 20ng/ml, corresponding to a specific activity of $>5.0 \times 10^4$ IU/mg.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH7.4.
Endotoxin	Less than 1EU/μg of rHuIL-17F as determined by LAL method.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 6mM HCl to a concentration of 0.1mg/ml. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^\circ\text{C}$. Further dilutions should be made in appropriate buffered solutions.
Category	Cytokine
Background	Human Interleukin-17F (IL-17F) is encoded by the IL17F gene located on the chromosome 6 and belongs to the IL-17 family which contains IL-17A, IL-17B, IL-17C, IL-17D, IL-17E and IL-17F. IL-17F that shares 50% homologous of crystal structure to IL-17A and is expressed by activated T cells, has the functions of stimulating production of other cytokines (such as IL-6, IL-8 and granulocyte colony-stimulating factor) and proliferation of PBMC and T-cell, regulating cartilage matrix turnover, and inhibiting angiogenesis.
Amino Acid Sequence	MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQCRLGGIN AQGKEDISMN SVPIQQETLV VRRKHQGCSV SFQLEKVLVT VGCTCVTPVI HHVQ

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。由于蛋白的每次冻融均会引起部分失活, 所以首次配制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：

- 由于有些塑料管壁对某些蛋白有较强的吸附作用，溶液中的蛋白很容易粘附在管壁上，并且粘附后的蛋白很难与管壁分离。而载体蛋白(Carrier protein, 如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点，使细胞因子或重组蛋白不会粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。
- 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，由于微量的蛋白在冻干过程中沉积在管内，形成很薄或不可见的蛋白层，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蛋白聚集于管底。
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。大多数细胞因子或重组蛋白的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，即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡，以免蛋白变性而失活。
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。

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