



碧云天生物技术/Beyotime Biotechnology
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Recombinant Human IL-36 γ , 169a.a.

| 产品编号 | 产品名称 | 包装 |
|-------------------|--|-------------|
| P5264-10 μ g | Recombinant Human IL-36 γ , 169a.a. | 10 μ g |
| P5264-100 μ g | Recombinant Human IL-36 γ , 169a.a. | 100 μ g |
| P5264-500 μ g | Recombinant Human IL-36 γ , 169a.a. | 500 μ g |

产品简介:

| Species | Gene ID | Accession | Source | Length | MW | Tag |
|---------|---------|-----------|----------------|--------|---------|-----|
| Human | 56300 | Q9NZH8 | <i>E. coli</i> | 169aa | 18.7kDa | — |

| About this protein | |
|---------------------|--|
| Name | Recombinant Human IL-36 γ , 169a.a. (Recombinant Human Interleukin-36 γ , 169a.a.; rHuIL-36 γ , 169a.a.); 重组人白细胞介素36 γ , 169a.a. |
| Synonyms | IL36G; IL1E; IL1F9; IL1H1; IL1RP2; UNQ2456/PRO5737 |
| Purity | >95% by SDS-PAGE and HPLC analyses. |
| Biological Activity | Fully biologically active when compared to standard. The specific activity is determined by its binding ability in a functional ELISA. Immobilized rHuIL-36 γ at 1 μ g/ml can bind recombinant human IL-1 Rrp2 Fc Chimera with a range of 0.15-5 μ g/ml. |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Formulation | Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH7.4. |
| Endotoxin | Less than 1EU/ μ g of rHuIL-36 γ , 169a.a. 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 sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at \leq -20 $^{\circ}$ C. Further dilutions should be made in appropriate buffered solutions. |
| Category | Cytokine |
| Background | Interleukin-36 (IL-36) is a pro-inflammatory cytokine which plays an important role in the pathophysiology of several diseases. IL-36 α , IL-36 β , and IL-36 γ (formerly IL-1F6, IL-1F8, and IL-1F9) are IL-1 family members that signal through the IL-1 receptor family members IL-1Rrp2 (IL-1RL2) and IL-1RAcP. IL-36 γ is secreted when transfected into 293-T cells and it could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1). Furthermore, IL-36 γ also can function as an agonist of NF-kappa B activation through the orphan IL-1-receptor-related protein 2. Recombinant human IL-36 γ is synthesized as a 19kDa, 169 amino acid (a.a.) protein that contains no signal sequence, no prosegment and no potential N-linked glycosylation site. Human to mouse, IL-36 γ shares 53%a.a. identity. Within the family, IL-36 γ shares about 25%~55%a.a. sequence identity with IL-1RA, IL-1 β , IL-36RA, IL-36 α , IL-37, IL-36 β and IL-1F10. |
| Amino Acid Sequence | MRGTPGDADG GGRAVYQSMC KPITGTINDL NQQVWTLQGQ NLVAVPRSDS VTPVTVAVIT CKYPEALEQG RGDPIYLG IQ NP EMC LYCEK VGEQPTLQLK EQKIMDLYGQ PEPVKPFLFY RAKTGRTSTL ESVAFPDWF I ASSKRDQPII LTSELGKSYN TAFELNIND |

包装清单:

| 产品编号 | 产品名称 | 包装 |
|-------------------|--|-------------|
| P5264-10 μ g | Recombinant Human IL-36 γ , 169a.a. | 10 μ g |
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| P5264-500 μ g | Recombinant Human IL-36 γ , 169a.a. | 500 μ g |
| — | 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：

- 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。除非特别说明，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。

Version 2024.01.10