



碧云天生物技术/Beyotime Biotechnology
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Recombinant Human MIP-1 β /CCL4

| 产品编号 | 产品名称 | 包装 |
|-------------------|---------------------------------------|-------------|
| P6587-10 μ g | Recombinant Human MIP-1 β /CCL4 | 10 μ g |
| P6587-100 μ g | Recombinant Human MIP-1 β /CCL4 | 100 μ g |
| P6587-500 μ g | Recombinant Human MIP-1 β /CCL4 | 500 μ g |

产品简介:

| Species | Gene ID | Accession | Source | Length | MW | Tag |
|---------|---------|-----------|----------------|--------|--------|-----|
| Human | 6351 | P13236 | <i>E. coli</i> | 69aa | 7.8kDa | — |

| About this protein | |
|---------------------|---|
| Name | Recombinant Human MIP-1 β /CCL4 (Recombinant Human Macrophage Inflammatory Protein-1 β /CCL4; rHuMIP-1 β /CCL4); 重组人巨噬细胞炎症蛋白1 β /CCL4 |
| Synonyms | Exodus-3; MIP-1 beta; ACT2; ACT-2; AT744.1; C-C motif chemokine 4; chemokine (C-C motif) ligand 4; G-26; G-26 T-lymphocyte-secreted protein; HC21; LAG1; LAG-1; Lymphocyte activation gene 1 protein; Macrophage inflammatory protein 1-beta; MIP1B; MIP1B1; MIP-1-beta; MIP-1-beta(1-69); PAT 744; Protein H400; SCYA2; SCYA4; secreted protein G-26; SIS-gamma; small inducible cytokine A4 (homologous to mouse Mip-1b); Small-inducible cytokine A4; T-cell activation protein 2 |
| Purity | >96% by SDS-PAGE and HPLC analyses. |
| Biological Activity | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 5.0-20ng/ml. |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Formulation | Lyophilized from a 0.2 μ m filtered concentrated solution in 20mM PB, pH7.4, 150mM NaCl. |
| Endotoxin | Less than 1EU/ μ g of rHuMIP-1 β /CCL4 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 | Chemokines |
| Background | CCL4 encoded by the CCL4 gene, also known as Macrophage Inflammatory Protein-1 β (MIP-1 β) is a CC chemokine with specificity for CCR5 receptors and it is a major HIV-suppressive factor produced by CD8 $^{+}$ T cells. It is a monokine with inflammatory and chemokinetic properties. Recombinant CCL4 induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). Specifically, MIP-1-beta (3-69) is also a ligand for CCR1 and CCR2 isoform B. Recombinant human CCL4 contains 69 amino acids and it shares 77% and 80% a.a. sequence identity with murine and rat CCL4, respectively. Both human and murine MIP-1 α and MIP-1 β are active on human and murine hematopoietic cells. |
| Amino Acid Sequence | APMGSDPPTA CCFSYTARKL PRNFVVDYIE TSSLCSQPAV VFQTKRSKQV CADPSESQVQ EYVDLELN |

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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