

## IL-36 $\alpha$ , Human, Recombinant

货号 : PCK194

### 产品信息

|      |   |
|------|---|
| 别名   | Interleukin-36 Alpha; FIL1 Epsilon; Interleukin-1 Epsilon; IL-1 Epsilon; Interleukin-1 Family Member 6; IL-1F6; IL36A; FIL1E; IL1E; IL1F6 |
| 物种   | Human   |
| 表达宿主 | E.coli  |
| 序列信息 | Lys6-Phe158   |
| 检索号  | Q9UHA7  |
| 分子量  | 17.1 kDa  |

### 产品特性

|     |   |
|-----|---|
| 纯度  | >95% as determined by reducing SDS-PAGE.  |
| 内毒素 | < 1.0 EU per $\mu$ g as determined by LAL test.   |
| 保存  | Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months. |
| 运输  | Ambient temperature or ice pack.  |
| 制剂  | Lyophilized from a 0.2 $\mu$ m filtered solution of 50mM Tris-HCl, 150mM NaCl, 1 mM EDTA, 0.02% Tween 20, pH 8.0.   |



## 复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## 背景介绍

Human Interleukin-36α (IL-36α) is a secreted Cytokine that belongs to the Interleukin 1 Cytokine family. IL-36α is expressed in the immune system and the fetal brain, but not in other tissues or multiple hematopoietic cell lines. IL-36α is the only IL-1 family member found to be expressed on T-cells. IL-36α and IL-1F8 are involved in the regulation of adipose tissue gene expression. Importantly, IL-36α inhibits PPARγ expression, which may lead to a reduction in adipocyte differentiation suggesting metabolic effects of this Cytokine. IL-36α, along with IL-1F8 and IL-1F9, has been shown to act as an agonist by activating the pathway involving NFκB and MAPK in an IL-1Rrp2 dependent manner. This suggest that IL-36α may signal in a similar fashion to IL-1 and IL-18 in having a binding Receptor which upon ligation, recruits a second Receptor as a signaling component, forming an active heterodimeric Receptor complex.

## SDS-PAGE

