

IL-36 α , 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
生物活性	Measured by its ability to induce IL-8 secretion in A431 human epithelial carcinoma cells. The ED50 for this effect is 1.83 ng/ml.

产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per μ 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 μ m filtered solution of 20 mM PB, 6% Trehalose, 5mM EDTA, 0.05% Tween 80, pH7.4.



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

