

## IL-37/IL-1F7/IL-1H4, Human, Recombinant

货号 : PCK196

### 产品信息

别名	IL-1F7, IL-1 $\zeta$ (zeta), IL-1H4, FIL1, FIL1Z
物种	Human
表达宿主	E.coli
序列信息	MKNLNPKKFSIHDQDHKVLVLDSGNLIAVPDKNYIRPEIFFALASSLSSASAE KGSPILLGVSKGEFCLYCDKDKGQSHPSLQLKKEKLMKLA AQKESARRPFI FYRAQVGSWNMLESA AHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFPV CKAEMSPSEVSD with polyhistidine tag at the C-terminus.
检索号	Q9NZH6.1
分子量	19.49 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is <0.9 $\mu\text{g/mL}$ .

### 产品特性

纯度	>95% as determined by SDS-PAGE. Ni-NTA chromatography.
内毒素	<0.1 EU per 1 $\mu\text{g}$ of the protein by the LAL method.
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 $\mu\text{m}$ filtered solution containing 1X PBS, pH 8.0.



## 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100  $\mu\text{g/mL}$ . Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

Decreasing synthesis of IL-37 in PBMCs will cause increasing production of pro-inflammatory cytokines such as IL-1 alpha, IL-1 beta, IL-6 and TNF- alpha. The IL-37 work as an innate inflammatory inhibitor is also proved by its high expression in synovial tissue from rheumatoid arthritis patients. Full length IL-37 locates mainly in the cytoplasm, and it can translocate to the nucleus after activation through cleavage by CASP1, then exerts its activity by directly interacting with SMAD3.

## SDS-PAGE

