

## IL-1 $\alpha$ /IL1F1, Human, Recombinant

货号 : PCK045

### 产品信息

别名 Hematopoietin-1, Lymphocyte-Activating Factor (LAF), Endogenous Pyrogen (EP), Leukocyte

物种 Human

表达宿主 E.coli

序列信息 MSAPFSFLSNVKYNFMRIIKYEFILNDALNQSIIRANDQYLTAALHNLDEA VKFDMGAYKSSKDDAKITVILRISKTKQLYVTAQDEDQPVLLKEMPEIPKTIT GSETNLLFFWETHGTKNYFTSVAHPNLFIA TKQDYWVCLAGGPPSITDFQIL ENQA with polyhistidine tag at the C-terminus.

检索号 P01583.1

分子量 18.99 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce D10.G4.1 cells proliferation. The ED50 for this effect is <10 pg/mL. The specific activity of recombinant human IL-1 alpha is approximately >1 x10<sup>8</sup> IU/ mg.

### 产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1  $\mu$ 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  $\mu$ 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

Interleukin 1 alpha (IL-1 $\alpha$ ) also known as hematopoietin 1 is a cytokine of the interleukin 1 family that in humans is encoded by the IL1A gene. IL-1 $\alpha$  is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. It binds to the interleukin-1 receptor. It is on the pathway that activates tumor necrosis factor-alpha.

## SDS-PAGE

