

## IL-1β/IL1F2, Human, Recombinant

货号：PCK047

### 产品信息

别名	Catabolin, Lymphocyte-Activating Factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endoge_x0002_nous Mediator (LEM), Mononuclear Cell Factor (MCF)
物种	Human
表达宿主	E.coli
序列信息	MASAPVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFSMSFV QGEESNDKIPVALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEK RFVFNKIEINNKLFEFESAQFPNWIYISTSQAENMPVFLGGTKGGQDITDFTMQ FVSS with polyhistidine tag at the C-terminus.
检索号	P01584.2
分子量	18.48 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce proliferation in D10.G4.1 cells. The ED50 for this effect is <10 pg/mL. The specific activity of recombinant human IL-1 beta is approximately >1.5 x 10 <sup>8</sup> IU/mg. Measure by its ability to induce IL-8 secretion in HT29 cells. The ED50 for this effect is 1.8-5.1 ng/mL.

### 产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.1 EU per 1 µg 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 µm 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 beta (IL-1 $\beta$ ) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a cytokine protein that in humans is encoded by the IL1B gene. There are two genes for interleukin-1 (IL-1): IL-1 alpha and IL-1 beta (this gene). IL-1 $\beta$  precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1 $\beta$ .

## SDS-PAGE

