

## IL-1β/IL1F2, Mouse, Recombinant

货号：PCK048

### 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** Mouse

**表达宿主** E.coli

**序列信息** MVPIRQLHYRLRDEQQKSLVLSDPYELKALHLNGQNINQQVIFSMSFVQGE  
PSNDKIPVALGLKGKNLYLSCVMKDGTPTLQLESVDPKQYPKKKMEKRFV  
FNKIEVKSKVEFESAEPNWIYSTSQAHEKPVFLGNNSGQDIIDFTMESVSS  
with polyhistidine tag at the C-terminus.

**检索号** P10749.1

**分子量** 18.3 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 <8 pg/mL. The specific activity of recombinant mouse IL-1 beta is approximately >1.2x 10<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 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 7.4.



## 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

