

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 10⁸ 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 β) 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 β precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1 β .

SDS-PAGE

