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IL-1β/IL1F2, Human, Recombinant

Cat. No.: PCK047

产品信息

别名 Catabolin; Lymphocyte-Activating Factor (LAF); Endogenous Pyrogen (EP); Leukocyte Endoge

nous Mediator (LEM); Mononuclear Cell Factor (MCF)

物种 Human 表达宿主 E.coli

序列信息 MASAPVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFSMSFVQGEESNDKIPV

ALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLEFESAQFPNWY

ISTSQAENMPVFLGGTKGGQDITDFTMQFVSS with polyhistidine tag at the C-terminus.

检索号 P01584.2

标签 His-tag at the C-terminus

分子量 18.48 kDa **有效期** 12 months

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 $> 1.5 \times 10^8$ 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

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 1 × PBS, pH 8.0.

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not

less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the

protein.

背景介绍

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

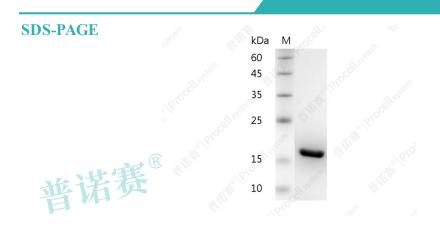
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