

## IL-1 $\beta$ /IL1F2, Human, Recombinant

Cat. No. : GPCK047

### 产品信息

物种	Human
表达宿主	E.coli
序列信息	MASAPVRSNLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFSVQGEESNDKIPV ALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFEESAQFPNWI STSQAENMPVFLGGTKGGQDITDFTMQFVSS 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 (EU/ $\mu$ g)	< 0.1
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 1 $\times$ PBS, pH 8.0.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu$ 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 $\beta$ .

