

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

Cat. No. : GPCK048

### 产品信息

物种	Mouse
表达宿主	E.coli
序列信息	MVPIRQLHYRLRDEQKSLVLSDPYELKALHLNGQNINQQVIFSMSFVQGEPSNDKIPVALGL KGKNLYLSCVMKDGTPTLQLESVDPKQYPKKKMEKRFVFNKIEVKSKVEFESAEPNWWYISTS QAEHKPVFLGNNSGQDIIDFTMESVSS with polyhistidine tag at the C-terminus.
检索号	P10749.1
标签	His-tag at the C-terminus
分子量	18.3 kDa
有效期	12 months
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 > 1.2 $\times$ 10 <sup>8</sup> IU/mg.

### 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 7.4.
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 $\beta$ .

