

## IL-1 $\alpha$ /IL1F1, Mouse, Recombinant

Cat. No. : GPCK046

### 产品信息

物种	Mouse
表达宿主	E.coli
序列信息	MSAPYTYQSDLRYKLMKLVQRKFVMNDSLNTIYQDVDPKHLYSTTWLNDLQQEVKFDMYAY SSGGDDSKYPVTLKISDSQLFVSAQGEDQPVLKELPETPKLITGSETDLIFFWKSINSKNYFT SAAYPELFIATKEQSRVHLARGLPSTMTDFQIS with polyhistidine tag at the C-terminus.
检索号	P01582.1
标签	His-tag at the C-terminus
分子量	18.93 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 < 5 pg/mL. The specific activity of recombinant mouse IL-1 $\alpha$ is > 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  $\alpha$  (IL-1 $\alpha$ ) also known as hematopoietin 1 is a cytokine of the interleukin 1 family that in humans is encoded by the IL1A gene. IL-1 $\alpha$  is produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. It binds to the interleukin-1 receptor. It is on the pathway that activates tumor necrosis factor- $\alpha$ .

