

## IFN $\alpha$ 1a/Ifa/Ifa8, Mouse, Recombinant

货号 : PCK310

### 产品信息

别名	Ifa, Ifa8
物种	Mouse
表达宿主	E.coli
序列信息	CDLPQTHNLRNKRALTLLVQMRRLSPLSCLKDRKDFGFPQEKVDAQQIKK AQAIPLVSELTQQILNIFTSKDSSAAWNTTLLDSFCNDLHQQLNDLQGCLM QQVGVQEFPLTQEDALLAVRKYFHRITVYLREKKHSPCAWEVVRAEVWR ALSSSANVLGRLREEK with polyhistidine tag at the N-terminus.
检索号	P01572.2
分子量	19.93 kDa
标签	His-tag at the N-terminus
生物活性	Measure by its ability to protect L929 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <10 pg/mL. The specific activity of recombinant mouse IFN alpha 1a is > 4 x 10 <sup>7</sup> 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 $\mu$ g 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 $\mu$ m 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 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

Interferon alpha-1 or interferon alpha-D, encoded by the human IFNA1 gene, is a member of the type I interferon family. It is expressed in peripheral blood leukocytes and lymphoblastoid cells. There are four highly conserved cysteine residues which form two disulfide bonds. One bond is a necessity for biological activity, which plays a critical role in conducting non-specific resistance against a variety of viral infections, and regulation of cell proliferation and modulates immune responses.

## SDS-PAGE

