

IFN β 1a/IFNB1, Mouse, Recombinant

货号：PCK314

产品信息

别名	IFNB1, Type I Interferon
物种	Mouse
表达宿主	E.coli
序列信息	MINYKQLQLQERTNIRKQCELLEQLNGKINLTYRADFKIPMEMTEKMQKSY TAFAIQEMLQNVFLVFRNNSSTGWNETIVVRLLDLHQQTVFLKTVLEEK QEERLTWEMSSTALHLKSYWVRVQRYLKLKMKYNSYAWMVVRAEIFRNFL IIRRLTRNFQN with polyhistidine tag at the C-terminus
检索号	P01575.1
分子量	20.68 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to protect HeLa cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <5 pg/mL. The specific activity of recombinant mouse IFN beta 1a is > 1 x 10 ⁹ 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 μ 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 μ 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 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Interferon-beta is, a cytokine, released by fibroblasts and pathogen-exposed dendritic cells, macrophages, and endothelial cells. IFN beta 1a conducts through the heterodimeric IFN-alpha/beta Receptor. IFN-beta-deficient mice are easier to suffer from experimental autoimmune encephalomyelitis (EAE), a disease model of human multiple sclerosis (MS). In addition, IFN-beta has been proved to suppress the Th17 cell response in both MS and EAE and is usually used to treat MS disease.

SDS-PAGE

