

IFN β 1a/IFNB1, Human, Recombinant

货号：PCK276

产品信息

别名 IFNB1, Type I Interferon

物种 Human

表达宿主 E.coli

序列信息 MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQF
QKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVL
EEKLEKEDFTRGKLMSSLHLKRYYGRILHYLKAKEYSHCAWTIVRVEILRN
FYFINRLTGYLRN with polyhistidine tag at the C-terminus.

检索号 P01574.1

分子量 20.84 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce apoptosis in HeLa cells. The ED50 for this effect is <15 ng/mL. Measure by its ability to induce cytotoxicity in TF-1 cells. The ED50 for this effect is <0.1 ng/mL. The specific activity of recombinant human IFN beta 1a is approximately >1 x10⁷ 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 8.0.



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

