

**IFN $\beta$  1a/IFNB1, Human, Recombinant****Cat. No. : GPCK276****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYEML QNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKRYYG RILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRLN with polyhistidine tag at the C-terminus.
检索号	P01574.1
标签	His-tag at the C-terminus
分子量	20.84 kDa
有效期	12 months
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 $\times$ 10 <sup>7</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 8.0.
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**

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.

