

IFNα 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

AQAIPVLSELTQQILNIFTSKDSSAAWNTTLLDSFCNDLHQQLNDLQGCLM 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 10⁷ 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 µg 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 µm filtered solution containing 1X PBS, pH

7.4.

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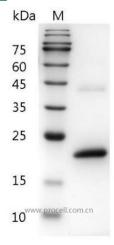
复融

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 IFNA1gene, 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 an critical role in conducting non-specific resistance against a variety of viral infections, and regulation of cell proliferation and modulates immune responses.

SDS-PAGE



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