CHASELECTION

Recombinant Mouse IFN-alpha 2/IFNA2,Tag Free

货号(Catalog Number)：CY146FXXXX(L)

别 名 (synonym)： alpha-2a interferon; Ifa2; IFNA; IFNA2; IFNA2a; IFNA2b; IFNA2c; IFNAA; IFNalpha 2; IFN-alpha 2

来源(Source)： Human embryonic kidney cell, HEK293-derived mouse IFN-alpha 2/IFNA2 protein

蛋白结构（Structure):该蛋白不含标签

基因 ID： P01573

氨基酸序列

Cys24-Glu190

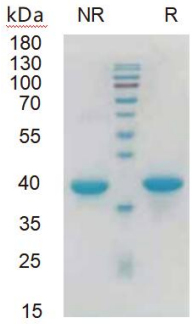
分子量大小(MW)

19.4 KDa

纯度（Purity）

> 95%, determined by SDS-PAGE

SDS-PAGE



4 ug/lane protein was resolved with SDS-PAGE under non-reducing (NR) and reducing (R) conditions and visualized by Coomassie Blue staining.

制剂(Formulation)

Solution protein.

Dissolved in sterile PBS buffer.

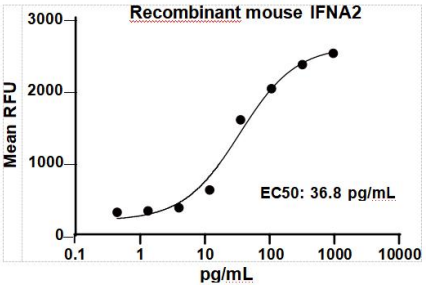
This solution can be diluted into other aqueous buffers.

Centrifuge the vial prior to opening.

内毒素含量（Endotoxin）

<0.010 EU per 1 ug of the protein by the LAL method

生物活性（Bioactivity）



Measured in an anti-viral assay using L-929 mouse fibroblast cells infected with encephalomyocarditis (EMC) virus.

储存与运输(Storage)

Avoid repeated freeze-thaw cycles.

It is recommended that the protein be aliquoted for optimal storage.

36 months from date of receipt, -20 to -70 °C as supplied.

产品背景介绍（Production）

Interferon-alpha 2 (IFN alpha -2) is one of 14 subtypes within the IFN-alpha class of Type I Interferons. The members of the IFN-alpha class, also known as alpha leukocyte interferons, encompass a group of distinct but closely related proteins which share approximately 80% amino acid (aa) sequence identity and have a similar globular structure composed of five alpha-helices. IFN-alpha class members signal through a common cell surface receptor complex composed of IFN-alpha R2 and IFN-alpha R1 subunits. As the first highly active IFN to be cloned and produced, IFN alpha-2 has become the prototypic IFN for academic and pharmaceutical research. The mature extracellular domain (ECD) of mouse IFN alpha -2 shares 60% and 83% aa sequence identity with human and rat, respectively. Murine IFN-alpha 2 can eliminate cardiac viral load and protect cardiomyocytes from injury in animals infected with coxsackievirus B3 (CVB3). IFN alpha -2 derived mutants with reduced IFNR2 binding inhibited HIV replication and mutants with more IFNAR1 binding potentiated antiviral activity.