

Datasheet for ABIN6699979

**IFNG1-2 Protein****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IFNG1-2
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Purpose:	Mouse Interferon gamma Recombinant Protein
Purification:	Interferon gamma purity was determined to be greater than 95% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically $\leq 1$ EU/µg protein.
Biological Activity Comment:	The activity is determined in a viral challenge assay using EMC virus on L929 cells and is typically less than 0.2 ng/mL.

## Target Details

Target:	IFNG1-2
Alternative Name:	INF gamma ( <a href="#">IFNG1-2 Products</a> )
Background:	Synonyms: Type II interferon, T cell interferon, Immune Interferon, MAF Background: Interferon gamma, IFN $\gamma$ , is a major immune-modulating molecule produced mainly by T cells and natural killer cells activated by antigens, mitogens or alloantigens. Most

## Target Details

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immune cells express IFN $\gamma$  receptors and respond to IFN $\gamma$ -induced signaling by up-regulating MHC class I expression. Human IFN $\gamma$  does not show cross-reactivity with mouse. Recombinant mouse IFN $\gamma$  is a non-glycosylated protein, containing 134 amino acids, with a molecular weight of 15.6 kDa.

UniProt: [P01580](#)

## Application Details

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Application Notes: Other: User Optimized  
Application\_Note: Interferon-gamma Recombinant Protein has been tested by biological activity and is suitable as a control for polyclonal or monoclonal anti-Interferon-gamma in immunological assays.

Comment: Suggested\_Applications: Cellular Assay  
Other\_Performance\_Data:

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution\_Buffer: Restore with deionized water (or equivalent)  
Reconstitution\_Volume: 100  $\mu$ L

Concentration: 0.1 mg/mL

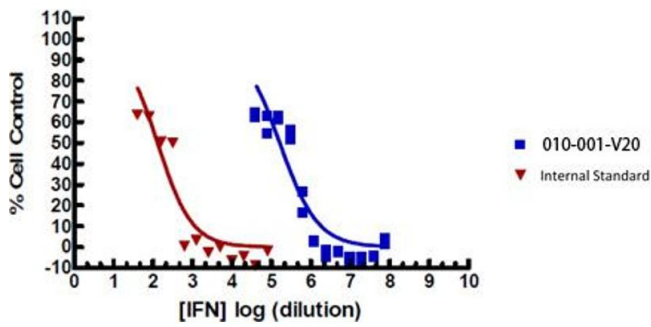
Buffer: Product is provided as a dried powder, lyophilized from 10 mM sodium phosphate, 100 mM sodium chloride, pH 7.5.

Preservative: Without preservative

Storage: -20 °C

Storage Comment: Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



## SDS-PAGE

**Image 1.** SDS-PAGE of Mouse Interferon gamma Recombinant Protein Bioactivity of Mouse Interferon-gamma Recombinant Protein. The specific activity, as determined in a viral challenge assay using EMC virus on L929 cells, is  $1.15\text{-}2.3 \times 10^7$  Units/mg. The corresponding ED50 is  $0.086\text{-}0.043$  ng/ml. The typical expected range of less than  $0.2$  ng/ml, corresponding to a specific activity of greater than  $5 \times 10^6$  units/mg.