

Active Recombinant Guinea pig Ifng protein, His-tagged

Cat. No. Ifng-803G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Guinea pig Ifng protein(Q8CGS0)(24~166 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Guinea pig
Source	E.coli
ProteinLength	24-166 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Interferon gamma (IFNγ) is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFNγ in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. It has been reported that IFN-γ promotes production of inducible Nitric Oxide Synthase (iNOS) in macrophages as an important activator. After stimulated with IFN-γ, morphological changes will occur in murine macrophage cell line (Raw 264.7 cells), and inducible nitric-oxide synthase (iNOS) in the cells will increase. Raw 264.7 cells were incubated in DMEM with IFN-γ (10ng/mL) for 24h, then cells were observed by inverted microscope and iNOS in cell lysates was detected by ELISA.
Molecular Mass	18.2kDa

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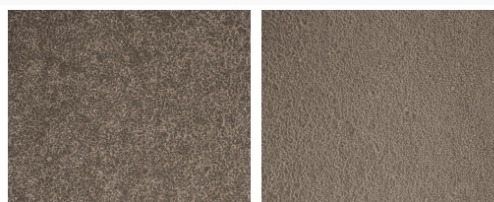
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Purity	> 90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ifng interferon gamma [Cavia porcellus]
Official Symbol	Ifng
Synonyms	IFNG; interferon gamma; interferon, gamma;
Gene ID	100379568
mRNA Refseq	NM_001172874
Protein Refseq	NP_001166345

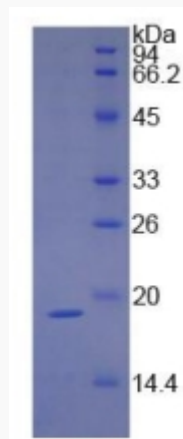
Activity



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SDS-PAGE

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