

Interferon Gamma (IFNg) Active Protein | IFNg active protein

Active Interferon Gamma (IFNg)

CATALOG # AAA148158	HOST E Coli	REACTIVITY Guinea Pig	APPLICATIONS Activity Assay, Cell Culture
-------------------------------	-----------------------	---------------------------------	---

PRODUCT SYNONYMS

Interferon Gamma (IFNg); Active Interferon Gamma (IFNg); IFN-G; IFG; IFI; INFr; IFN; Immune Interferon; IFNg active protein

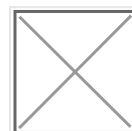
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Guinea Pig
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	166
Applicable Applications for IFNg active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Fragment	Gln24~Lys166
Isoelectric Point	9.7

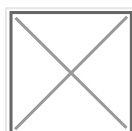
IMAGES



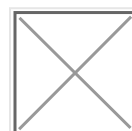
Application Data



Application Data



Application Data



SDS-PAGE



Activity

Interferon gamma (IFNgamma) is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFNgamma 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-gamma promotes production of inducible Nitric Oxide Synthase (iNOS) in macrophages as an important activator. After stimulated with IFN-gamma, 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-gamma (10ng/mL) for 24h, then cells were observed by inverted microscope and iNOS in cell lysates was detected by ELISA. Effect of IFN-gamma on morphological change of Raw 246.7 cells was shown in Figure 1.

ADDITIONAL INFORMATION

Product Categories/Family for IFNg active protein	Cytokine; Infection immunity
---	------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	290563205
NCBI GeneID	100379568
NCBI Accession #	NP_001166345.1
NCBI GenBank Nucleotide #	NM_001172874.1
UniProt Accession #	Q8CGS0
Molecular Weight	Predicted Molecular Weight: 18.2kDa Accurate Molecular Weight: 18kDa
NCBI Official Full Name	interferon gamma
NCBI Official Symbol	Ifng
NCBI Protein Information	interferon gamma
UniProt Protein Name	Interferon gamma
UniProt Gene Name	IFNG
UniProt Synonym Gene Names	IFN-gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-guinea-pig-pig-active-protein/interferon-gamma-ifng/148158>