

IFN-gamma active protein

Mouse IFN-gamma

CATALOG # AAA79149	HOST E Coli	REACTIVITY Mouse
------------------------------	-----------------------	----------------------------

PRODUCT SYNONYMS

IFN-gamma; Mouse IFN-gamma; Recombinant Murine IFN-gamma; Ifng; Ifg; IFN-g; IFN-gamma active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 98% by SDS-PAGE & HPLC analyses
Form/Format	Lyophilized
Sequence	MHGTVIESLE SLNNYFNSSG IDVEEKSLFL DIWRNWQKDG DMKILQSQII SFYLRLFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPESSLRKRK RSRC
Sequence Length	134
Endotoxin Level	< 0.1 ng/ug of protein (<1EU/ug)
Biological Activity	Determined by its ability to inhibit the proliferation of murine WEHI-279 cells. The expected ED50 is <= 0.2 ng/ml, corresponding to a specific activity of >= 5 x 10 ⁶ units/mg.
Length	134
Reconstitution	Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 12 months at -20°C to -80°C.

ADDITIONAL INFORMATION

Related Product Information for IFN-gamma active protein	IFN-gamma is an acid-labile interferon produced by CD4 and CD8 T lymphocytes as well as activated NK cells. IFN-gamma receptors are present in most immune cells, which respond to IFN-gamma signaling by increasing the surface expression of class I MHC proteins. This promotes the presentation of antigen to T-helper (CD4+) cells. IFN-gamma signaling in antigen-presenting cells and antigen-recognizing B and T lymphocytes regulates the antigen-specific phases of the immune response. Additionally, IFN-gamma stimulates a number of lymphoid cell functions including the anti-microbial and anti-tumor responses of macrophages, NK cells, and neutrophils. Human IFN-gamma species-specific and is biologically active only in human and primate cells. Recombinant murine IFN-gamma is a 15.6 kDa protein containing 134 amino acid residues.
Product Categories/Family for IFN-gamma active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	33468859
NCBI GeneID	15978

NCBI Accession #	NP_032363.1
NCBI GenBank Nucleotide #	NM_008337.3
UniProt Accession #	P01580 ; Q542B8
Molecular Weight	15.6 kDa
NCBI Official Full Name	interferon gamma
NCBI Official Synonym Full Names	interferon gamma
NCBI Official Symbol	Ifng
NCBI Official Synonym Symbols	Ifg; IFN-g
NCBI Protein Information	interferon gamma; IFN-gamma; gamma interferon
UniProt Protein Name	Interferon gamma
UniProt Gene Name	Ifng
UniProt Synonym Gene Names	IFN-gamma
UniProt Entry Name	IFNG_MOUSE

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-mouse-active-protein/ifn-gamma/79149>