

Interferon-gamma Active Protein | mIFNG active protein

Recombinant Mouse Interferon-gamma

CATALOG #
AAA38173

HOST
E Coli

PRODUCT SYNONYMS

Interferon-gamma; Recombinant Mouse Interferon-gamma; IFN g Mouse; Interferon-Gamma Mouse Recombinant; Immune Interferon; type II interferon; T cell interferon; MAF; IFNG; IFG; IFI; IFN-gamma; mIFNG active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated (1mg/ml) solution in PBS, pH 7.4 and 5% trehalose. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MHGTVIESLE SLNNYFNSSG IDVEEKSFL DIWRNWQKDG DMKILQSQII SFYLRLFEVL KDNQAISNNI SVIESHLITT FFSNSKAKKD AFMSIAKFEV NNPQVQRQAF NELIRVVHQL LPRESSLRKRK RSRC
Sequence Length	155
Solubility	It is recommended to reconstitute the lyophilized Interferon-gamma in sterile distilled water or 20mM AcOH at concentrations ranging between 0.1mg-0.5mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity as determined in a viral resistance assay is < 0.1 ng/ml, corresponding to a specific activity of 1 x 10 ⁷ Units/mg.
Preparation and Storage	Lyophilized Interferon-gamma although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IFN-gamma should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for mIFNG active protein	Description: Interferon-gamma Mouse Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 134 amino acids and having a molecular mass of 15.6kDa. The IFN-gamma is purified by proprietary chromatographic techniques. Introduction: IFN-gamma produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions, it is a potent activator of macrophages, and has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.
Product Categories/Family for mIFNG active protein	Cytokines and Growth Factors; Cytokines; Interferon
References	Title: Interferon-gamma and interleukin-4 reciprocally regulate CD8 expression in CD8+ T cells. Publication: Published online before print November 6, 2008, doi: 10.1073/pnas.0809549105 PNAS November 11, 2008 vol. 105 no. 45 17475-17480 Link: http://www.pnas.org/content/105/45/17475.full

NCBI AND UNIPROT INFORMATION

NCBI GI #	33468859
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NCBI GeneID	15978
NCBI Accession #	NP_032363.1
NCBI GenBank Nucleotide #	NM_008337.3
UniProt Accession #	P01580 ; Q542B8
Molecular Weight	17,907 Da
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.

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Online datasheet: <https://www.aaabiotech.com/e-coli-mifng-active-protein/interferon-gamma/38173>