

IFNG active protein

Recombinant Rat IFNG

CATALOG #
AAA214335

HOST
E Coli

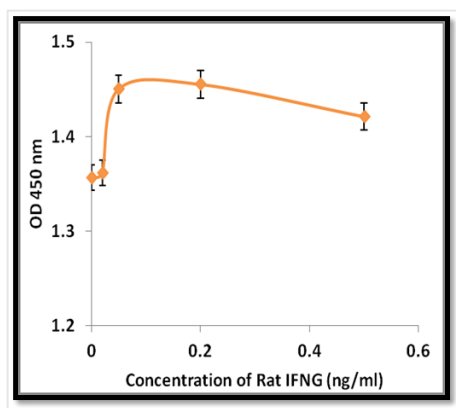
PRODUCT SYNONYMS

IFNG; Recombinant Rat IFNG; IFN-gamma; Recombinant Rat Interferon-Gamma (IFNG); IFNG active protein

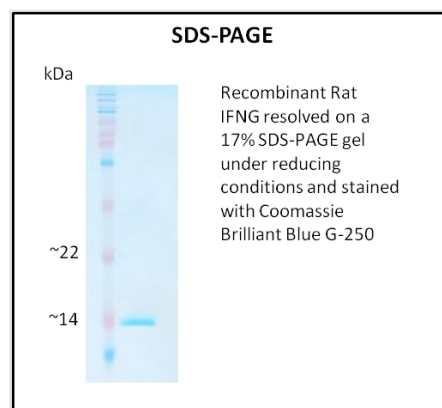
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered PBS solution, pH 7.0.
Sequence Length	156
Bioactivity	The ED(50) was determined by the cytopathic inhibition assay with murine L929 cells infected by EMC virus, and was found to be < 1.0 ng/mL, corresponding to a specific activity of > 1.0 x 10 ⁶ units/mg.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IFNG active protein	IFN-gamma is produced mainly by T cells and natural killer cells activated by antigens, mitogens, or alloantigens. It is produced by lymphocytes expressing the surface antigens CD4 and CD8. IFN gamma receptors are expressed on all types of human cells with the exception of mature erythrocytes. IFN-gamma-receptor complexes are rapidly internalized by endocytosis. IFN-gamma has antiviral and antiparasitic activities and also inhibits the proliferation of a number of normal and transformed cells. Interferon-gamma synergises with TNF-alpha and TNF-beta in inhibiting the proliferation of various cell types. The growth inhibitory activities of IFN-gamma are more pronounced than those of the other interferons. However, the main biological activity of IFN-gamma appears to be immunomodulatory in contrast to the other interferons that are mainly antiviral. T helper cells IL-2 induces the synthesis of IFN-gamma and other cytokines. IFN-gamma acts synergistically with IL-1 and IL-2 and appears to be required for the expression of IL-2 receptors on the cell surface of T lymphocytes. Blocking of the IL-2 receptor by specific antibodies also inhibits the synthesis of IFN-gamma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20302055
NCBI GeneID	25712
NCBI Accession #	NP_620235.1
NCBI GenBank Nucleotide #	NP_620235.1
UniProt Accession #	P01581
Molecular Weight	16.0 kDa
NCBI Official Full Name	interferon gamma
NCBI Official Synonym Full Names	interferon gamma
NCBI Official Symbol	Ifng
NCBI Official Synonym Symbols	IFNG2
NCBI Protein Information	interferon gamma
UniProt Protein Name	Interferon gamma
UniProt Gene Name	Ifng
UniProt Synonym Gene Names	IFN-gamma
UniProt Entry Name	IFNG_RAT

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-active-protein/ifng/214335>