Datasheet for ABIN6388155

Interferon gamma Protein (IFNG) (AA 24-161) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Interferon gamma (IFNG)
Protein Characteristics:	AA 24-161
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Interferon gamma protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	QDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAKTGKR KRSQMLFRG
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cytotoxicity assay using WiDr human colon colorectal adenocarcinoma cells. The ED50 range ≤5ng/ml.

Target Details

Target:	Interferon gamma (IFNG)

Target Details

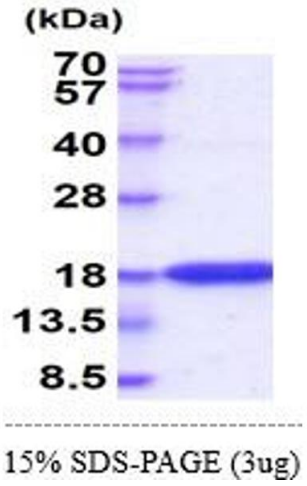
Alternative Name:	IFN-gamma/IFNG (IFNG Products)
Background:	IFNG, also known as Interferon gamma, is secreted by lymphocytes stimulated by mitogen and is involved in the differentiation, maturation, and proliferation of hematopoietic cells. Nature human interferon-gamma is composed of 143 amino acid residues without cysteine residues and is glycosylated. Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161. Recombinant human IFNG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Molecular Weight:	18.4 kDa (159aa) confirmed by MALDI-TOF
NCBI Accession:	NP_000610
UniProt:	P01579
Pathways:	Interferon-gamma Pathway, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus, Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In Phosphate buffered saline (pH 7.4), containing 20 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.