

interferon-alpha/IFNA5 Recombinant Protein | IFNA5 recombinant protein

interferon-alpha/IFNA5 Protein, Human, Recombinant (hFc Tag)

CATALOG #
AAA257414

HOST
HEK293 Cells

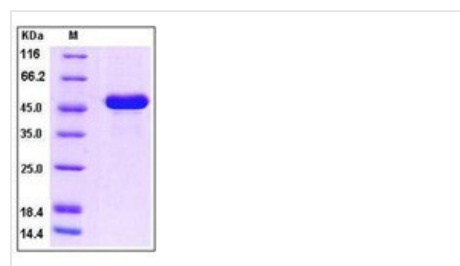
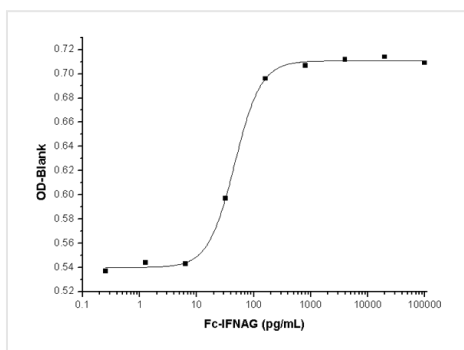
PRODUCT SYNONYMS

interferon-alpha/IFNA5; interferon-alpha/IFNA5 Protein; Human; Recombinant (hFc Tag); Human IFNA5/IFNaG/Interferon alpha-G Protein (Fc Tag); interferon; alpha 5; IFN-alpha Protein; IFN-alpha-5 Protein; IFN-alphaG Protein; INA5 Protein; INFA5 Protein; IeIF G Protein; RP11-380P16.5 Protein; IFNA5 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	405aa
Sequence	Leu22-Glu1 89
Species	Human
Tag	hFc
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Glu20
Protein Construction	JA DNA sequence encoding the human IFNalpha G (NP_002160.1) (Leu 22-Glu 189) was fused with the Fc region of human IgG1 at the N-terminus
Activity	Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The EC50 for this effect is 0.16-0.8ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack

IMAGES



Application Data

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ADDITIONAL INFORMATION

Related Product Information for IFNA5 recombinant protein	Interferon, alpha 5 (IFNA5) belongs to the alpha/beta interferon family. IFNA5 is the only IFNA subtype detected in normal liver, while a mixture of subtypes is observed in the liver tissue of patients with chronic hepatitis C. Interferons are produced by macrophages, IFN-alpha has antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. IFN-alpha, the first cytokine to be produced by recombinant DNA technology, has emerged as an important regulator of growth and differentiation, affecting cellular communication and signal transduction pathways as well as immunological control. Originally discovered as an antiviral substance, the efficacy of IFN-alpha in malignant, viral, immunological, angiogenic, inflammatory, and fibrotic diseases suggests a spectrum of interrelated pathophysiologies. IFN-alpha emerged as a prototypic tumor suppressor protein that represses the clinical tumorigenic phenotype in some malignancies capable of differentiation.
References	Lau JY, et al. (1993) Discrepancy between biochemical and virological responses to interferon-alpha in chronic hepatitis C. Lancet. 342(8881): 1208-9.Kessler DS, et al. (1990) Interferon-alpha regulates nuclear translocation and DNA-binding affinity of ISGF3, a multimeric transcriptional activator. Genes Dev. 4(10): 1753-65.Guttermann JU. Cytokine therapeutics: lessons from interferon alpha. Proc Natl Acad Sci U S A. 91(4): 1198-205.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504597
NCBI GeneID	3442
NCBI Accession #	NP_002160.1
NCBI GenBank Nucleotide #	NM_002169.2
Molecular Weight	21,942 Da
NCBI Official Full Name	interferon alpha-5
NCBI Official Synonym Full Names	interferon, alpha 5
NCBI Official Symbol	IFNA5
NCBI Official Synonym Symbols	INA5; INF5; IeIF G; IFN-alphaG; IFN-alpha-5
NCBI Protein Information	interferon alpha-5; interferon alpha-G; interferon alpha-61

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.