

IFN-alpha G/IFNA5 Recombinant Protein | IFNA5 recombinant protein

Recombinant Human IFN-alpha G/IFNA5 Protein

CATALOG #
AAA283389

HOST
HEK293 cells

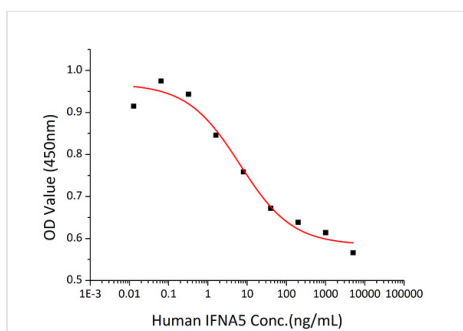
PRODUCT SYNONYMS

IFN-alpha G/IFNA5; Recombinant Human IFN-alpha G/IFNA5 Protein; Ifa5; IFNA5; IFNalpha G; IFN-alpha G; IFN-alpha-5; IFN-alphaG; INFA5; interferon alpha-5; Interferon alpha-61; Interferon alpha-G; interferon; alpha 5; LeIF G; IFNA5 recombinant protein

PRODUCT SPECIFICATIONS

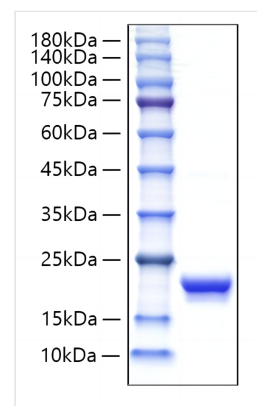
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	LGCDLPQTHS LSNRRTLMM AQMGRISPFS CLKDRHDFGF PQEEFDGNQF QKAQAISVLH EMIQQTFNLF STKDSSATWD ETLLDKFYTE LYQQLNDLEA CMMQEVGVED TPLMNVDSIL TVRKYFQRIT LYLTEKKYSP CAWEVVRAEI MRSFSLSANL QERLRRKE
Species	Human
Tag	C-His
Endotoxin	<0.1EU/ug of the protein by LAL method.
Bio-Activity	Measured in a cell cytotoxicity assay using TF-1 cells. The ED ₅₀ for this effect is 3.27?13.06ng/mL, corresponding to a specific activity of 7.66×10 ⁴ ~3.06×10 ⁵ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Human IFN-alpha G/IFNA5 was measured in a cell cytotoxicity assay using TF-1 cells. The ED₅₀ for this effect is 3.27?13.06 ng/mL, corresponding to a specific activity of 7.66×10⁴~3.06×10⁵ units/mg.



SDS-PAGE

Recombinant Human IFN-alpha G/IFNA5 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-25 KD.

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.
Product Categories/Family for IFNA5 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504597
NCBI GeneID	3442
NCBI Accession #	NP_002160.1
NCBI GenBank Nucleotide #	NM_002169.2
UniProt Accession #	P01569; Q52LX3
UniProt Protein Name	Interferon alpha-5
UniProt Gene Name	IFNA5
UniProt Synonym Gene Names	IFN-alpha-5; LeIF G
UniProt Entry Name	IFNA5_HUMAN

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.