

IFN-alpha 4 Recombinant Protein | IFNA4 recombinant protein

Recombinant Human IFN-alpha 4 Protein

CATALOG #
AAA283368

HOST
HEK293 cells

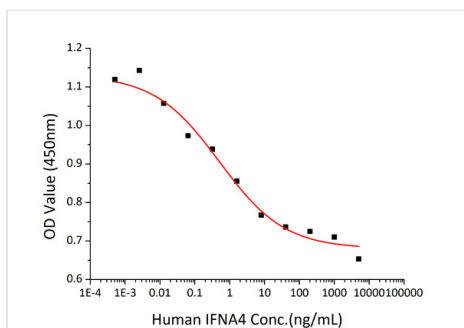
PRODUCT SYNONYMS

IFN-alpha 4; Recombinant Human IFN-alpha 4 Protein; Interferon alpha-4; IFN-alpha-4; Interferon alpha-4B; Interferon alpha-76; Interferon alpha-M1; IFNA4; IFNA4 recombinant protein

PRODUCT SPECIFICATIONS

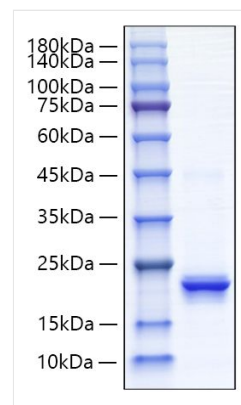
Host	HEK293 cells
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Lyophilized from 0.22 um filtered solution in PBS (pH7.4). Normally 8% trehalose is added as protectant before lyophilization.
Sequence	CDLPQTHSLG NRRALILLAQ MGRISHFSCL KDRHDFGFPE EEFDGHQFQK AQAISVLHEM IQQTFNLFST EDSSAAWEQS LLEKFSTELY QQLNDLEACV IQEVGVEETP LMNEDSILAV RKYFQRITLY LTEKKYSPCA WEVVRAEIMR SLSFSTNLQK RLRRKD
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 0.26?1.02ng/mL, corresponding to a specific activity of 9.80×10 ⁵ ~3.85×10 ⁶ 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 4 Protein cytotoxicity assay using TF-1 cells. The ED₅₀ for this effect is 0.26?1.02 ng/mL, corresponding to a specific activity of 9.80×10⁵~3.85×10⁶ units/mg.



SDS-PAGE

Recombinant Human IFN-alpha 4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-20 kDa.

ADDITIONAL INFORMATION

Related Product Information for IFNA4 recombinant protein	IFN-alpha 4, Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.The interferons (IFN) are a family of cytokines with potent antiviral, antiproliferative and immunomodulatory properties, and are classified based on their binding specificity to cell surface receptors. The type I IFNs bind to the interferon alpha receptor (IFNAR), which consists of two subunits: IFNAR1 (alpha -subunit) and IFNAR2 (beta -subunit). This binding contributes to TNF-alpha induced signaling. Both the human and mouse genome code for more than a dozen closely related IFN-alpha subtypes and the various IFN-alphas share about 80% sequence homology among them. The mouse IFN-alpha 4 consists of 186 amino acids (aa) including a 24 aa signal peptide and a 162 aa IFN-alpha 4 mature domain. The mature mouse IFN-alpha 4 shares 58% and 76% sequence identity with mature human and rat IFN-alpha 4, respectively. The mouse IFN-alpha 4 reduces the local replication of murine cytomegalovirus in the tibia muscle. mIFN-A4 is a strong activator of Mx gene and was shown to be very effective in reducing splenomegaly.
Product Categories/Family for IFNA4 recombinant protein	Cytokines & Cytokine receptors; Cell Culture related; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835103
NCBI GeneID	3441
NCBI Accession #	NP_066546.1
NCBI GenBank Nucleotide #	NM_021068.2
UniProt Accession #	P05014; P13358; Q14CS4; Q5VV15
UniProt Protein Name	Interferon alpha-4
UniProt Gene Name	IFNA4
UniProt Synonym Gene Names	IFN-alpha-4

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/ifna4-recombinant-protein-hek293-cells/283368>