

IFN-alpha I/IFN17 Recombinant Protein | IFNA17 recombinant protein

Recombinant Human IFN-alpha I/IFN17 Protein

CATALOG #
AAA283355

HOST
HEK293 cells

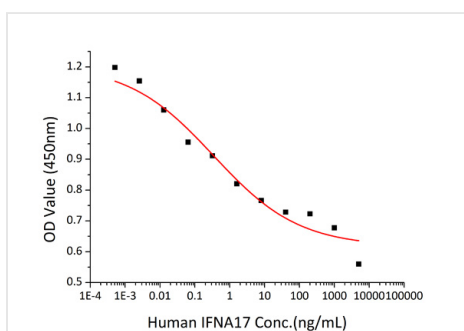
PRODUCT SYNONYMS

IFN-alpha I/IFN17; Recombinant Human IFN-alpha I/IFN17 Protein; Interferon alpha-17; IFN-alpha-17; Interferon alpha-88; Interferon alpha-I'; LeIF I; Interferon alpha-T; IFNA17; IFNA17 recombinant protein

PRODUCT SPECIFICATIONS

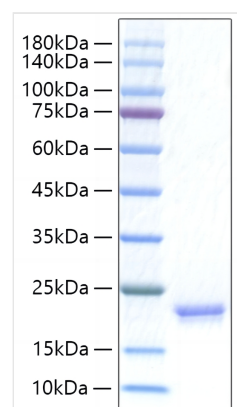
Host	HEK293 cells
Purity/Purification	>97% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	CDLPQTHSLG NRRALILLAQ MGRISPFSCS KDRHDFGLPQ EEFDGNQFQK TQAISVLHEM IQQTFNLFST EDSSAAWEQS LLEKFSTELY QQLNNLEACV IQEVGMEETP LMNEDSILAV RKYFQRTITLY LTEKKYSPCA WEVVRAEIMR SLSFSTNLQK ILRRKD
Species	Human
Tag	C-His
Endotoxin	<0.01EU/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 0.17?0.68ng/mL, corresponding to a specific activity of 1.47×10 ⁶ ~5.88×10 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 I/IFN17 Protein cytotoxicity assay using TF-1 cells. The ED₅₀ for this effect is 0.17?0.68 ng/mL, corresponding to a specific activity of 1.47×10⁶~5.88×10⁶ units/mg.



SDS-PAGE

Recombinant Human IFN-alpha I/IFN17 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-25 kDa.

ADDITIONAL INFORMATION

Related Product Information for IFNA17 recombinant protein	Interferons (IFN) are a family of cytokines with potent antiviral, antiproliferative and immunomodulatory properties, classified based on their binding specificity to cell surface receptors. Human IFNA2 was originally cloned in the early '80s and now more than a dozen closely related IFN alpha subtypes have been identified in both the human and mouse genome, each sharing about 80% amino acid (aa) sequence homology. Structurally, type I IFNs belong to the class of five helicalbundle cytokines, with the IFNA subtypes containing 2 conserved disulfide bonds. There is not a mouse homolog for IFNA17, but mature human IFNA17 shares 58% aa sequence identity with chimpanzee IFNA17. The type I IFNs bind to the interferon alpha receptor (IFNAR), which consists of two subunits: IFNAR1 (alpha -subunit) and IFNAR2 (beta -subunit). Individual IFNA subtypes are known to display unique efficacies to viral protection. IFNA17 has been shown to be potent against HIV-1 activity. Human IFNA17 is the only IFNA subtype identified with antiviral activity but a reduced ability to activate NK cells. A mutation in IFNA17, Ile184Arg, is associated with an increased risk for cervical cancer.
Product Categories/Family for IFNA17 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	186408
NCBI GeneID	3451
UniProt Accession #	P01571; Q14639; Q4KMT4; Q5VZ53; Q7M4Q4
UniProt Protein Name	Interferon alpha-17
UniProt Gene Name	IFNA17
UniProt Synonym Gene Names	IFN-alpha-17; LeIF I
UniProt Entry Name	IFN17_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ifna17-recombinant-protein-hek293-cells/283355>