

IFN-alpha 10 Recombinant Protein | IFNA10 recombinant protein

Recombinant Human IFN-alpha 10 Protein

CATALOG #
AAA283376

HOST
HEK293 cells

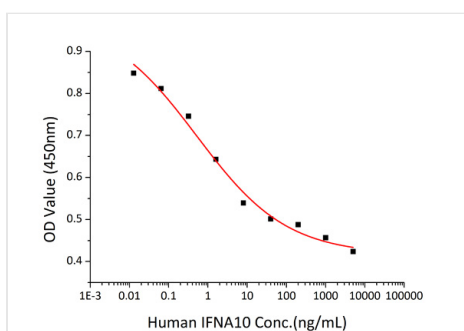
PRODUCT SYNONYMS

IFN-alpha 10; Recombinant Human IFN-alpha 10 Protein; IFNA10; IFNalpha C; IFN-alpha C; IFN-alpha-10; IFN-alphaC; interferon alpha-10; Interferon alpha-6L; Interferon alpha-C; interferon; alpha 10; LeIF C; MGC119878; MGC119879; IFNA10 recombinant protein

PRODUCT SPECIFICATIONS

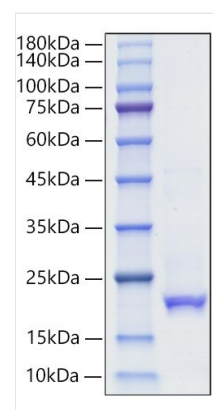
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	CDLPQTHSLG NRRALILLGQ MGRISPFSC LDRHDFRIPQ EEFDGNQFQK AQAISVLHEM IQQTFNLFST EDSSAAWEQS LLEKFSTELY QQLNDLEACV IQEVGVEETP LMNEDSILAV RKYFQRITLY LIERKYSPCA WEVVRAEIMR SLSFSTNLQK RLRRKD
Species	Human
Tag	C-His
Endotoxin	<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±1.04ng/mL, corresponding to a specific activity of 9.62×10 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 10/IFNA10 was measured in a cell cytotoxicity assay using TF-1 cells. The ED₅₀ for this effect is 0.26±1.04 ng/mL, corresponding to a specific activity of 9.62×10⁵~3.85×10⁶ units/mg.



SDS-PAGE

Recombinant Human IFN-alpha 10/IFNA10 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-25kDa.

ADDITIONAL INFORMATION

Related Product Information for IFNA10 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. Mature human IFNA10 shares 61% aa sequence identity with mouse IFNA7. 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, and IFNA10 has been shown to be a strong inducer of IFN-stimulated genes and antiviral protection. Additionally, IFNA10 exhibits weak antiviral effects against SARS-CoV-2.
Product Categories/Family for IFNA10 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504589
NCBI GeneID	3446
NCBI Accession #	NP_002162
NCBI GenBank Nucleotide #	NM_002171
UniProt Accession #	P01566; Q5VV13
UniProt Protein Name	Interferon alpha-10
UniProt Gene Name	IFNA10
UniProt Synonym Gene Names	IFN-alpha-10; LeIF C
UniProt Entry Name	IFN10_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.

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Online datasheet: <https://stage.aaabiotech.com/ifna10-recombinant-protein-hek293-cells/283376>