# Active Recombinant Human IFNA1 protein, Fc-tagged

**Cat. No.** IFNA1-0257H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human IFNA1 protein(Cys24-Glu189), fused with Fc tag, was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 24-189 a.a. |
| **Form** | Lyophilized from 0.22 μm filtered solution in 51 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization. |
| **Bio-activity** | Loaded Human IFN-alpha / beta R1, His Tag on NTA Biosensor, can bind Human IFN-alpha 1, Fc Tag with an affinity constant of 11.3 nM as determined in BLI assay (ForteBio Octet Red96e).Loaded Human IFNAR2, His Tag on HIS1K Biosensor, can bind Human IFN-alpha 1, Fc Tag with an affinity constant of 2.67 nM as determined in BLI assay (ForteBio Octet Red96e). |
| **Molecular Mass** | This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 45.8 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| **Proteinlength** | Cys24-Glu189 |
| **Endotoxin** | Less than 1.0 EU per μg by the LAL method. |

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| **Purity** | >95% as determined by SDS-PAGE.>90% as determined by SEC-MALS. |
| **Storage** | For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | IFNA1 interferon, alpha 1 [ Homo sapiens ] |
| **Official Symbol** | IFNA1 |
| **Synonyms** | IFNA1; interferon, alpha 1; interferon alpha-1/13; IFL; IFN; IFN ALPHA; IFN alpha 1b; IFN alphaD; IFNA13; IFNA@; interferon alpha 1b; leIF D; IFN-alpha 1b; IFN-alpha-1/13; interferon-alpha1; interferon alpha-D; IFN-ALPHA; IFN-alphaD; MGC138207; MGC138505; MGC138507; |
| **Gene ID** | 3439 |
| **mRNA Refseq** | NM_024013 |
| **Protein Refseq** | NP_076918 |
| **MIM** | 147660 |
| **UniProt ID** | P01562 |

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