# Recombinant Human IFN-alpha H2/IFNA14 Protein

**RPCB1898**

## Product Information

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| **Product SKU**: | RPCB1898 | **Gene ID**: | 3448 | **Size**: | 10µg |
| **Tag**: | C-His | **Reactivity**: | Human | | |

## Additional Information

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| **Expression Host**: | HEK293 cells | **Swissprot:** | P01570 |
| **Purity**: | > 95% by SDS-PAGE. | | |

## Protein Information

**Background**: 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 helical_x001E_bundle cytokines, with the IFNA subtypes containing 2 conserved disulfide bonds. The extracellular domain (ECD) of mature human IFNA14, shares 58% aa sequence identity with mouse IFNA14. The type I IFNs bind to the interferon alpha receptor (IFNAR), which consists of two subunits: IFNAR1 (alpha_x001E_subunit) and IFNAR2 (beta-subunit). Individual IFNA subtypes are known to display unique efficacies to viral protection, and IFNA14 has been shown to be a strong inducer of IFN-stimulated genes and anti-viral protection . IFNA14 has been shown to be potent against HIV-1 by up_x001E_regulating the transcription of two intrinsic restriction factors with well-established anti-HIV-1 activity, MX2 and tetherin.

**Protein Description**: High quality, high purity and low endotoxin recombinant Recombinant Human IFN-alpha H2/IFNA14 Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

**Endotoxin**: <0.01EU/µg of the protein by LAL method.

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**Formulation**: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

**Storage**: Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

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