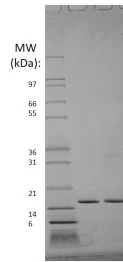


IFNA2

Recombinant Human Interferon alpha 2a

| | | | |
|---------------------------------|---|------------------|-------------------------|
| Catalog No. | CRH063A CRH063B CRH063C | Quantity: | 20 µg 100 µg 1 mg |
| Alternate Names: | IFNA, INFA2, interferon alpha-2, IeIF A, IFN-alpha-2, interferon alpha A, interferon alpha-A, alpha-2a interferon, interferon alpha 2b | | |
| Description: | Interferon-alpha 2a (IFN-α2a) is a type I interferon made by leukocytes during viral infection. The JAK-STAT pathway mediates the antiviral and anti-cell proliferation activities of IFN-α2a. IFN-α proteins are widely used as standard treatments during antiviral and antineoplastic therapies. The IFN-α2a variant differs from IFN-α2b by one amino acid. | | |
| Gene ID: | 3440 | | |
| UniProt ID: | P01563 | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | 19.4 kDa (166 aa) monomer | | |
| Formulation: | Lyophilized from a sterile-filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA). | | |
| Purity: | > 95% by SDS-PAGE | | |
| Endotoxin Level: | ≤1 EU/µg of protein by kinetic LAL analysis | | |
| Biological Activity: | ED ₅₀ ≤ 0.005 ng/ml, determine by viral cytopathic effect (CPE) bioassay using EMC virus on A549 cells. | | |
| Specific Activity: | ≥ 2.0 x 10 ⁸ U/mg | | |
| Amino Acid Sequence: | MCDLPQTHSL GSRRTLMLLA QMRKISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST KDSSAAWDET LLDKIFYTELY QQLNDLEACV IQGVGVTETP LMKEDSILAV RKYFQRITLY LKEKKYSPCA WEVVRAEIMR SFSLSTNLQE SLRSKE | | |
| Reconstitution: | Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions. | | |
| Storage & Stability: | Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C for up to 1 month or prepare working aliquots and store at -20°C to -80°C for up to 3 months. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles. | | |

Reduced: + -



Human IFN alpha 2A Gel
Figure: 1 ug protein under (+) reducing and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IFN alpha 2A has a predicted MW of 19.4 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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