

## 32-12110: Human Interferon-alpha 2b

**Gene :** IFNA2  
**Gene ID :** 3440  
**Uniprot ID :** P01563  
**Alternative Name :** IFNA2A, IFNA2B, IFNA2C, Interferon alpha-A

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 19.4 kDa (166 aa)

Interferon-alpha 2b (IFN-alpha 2b) 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-alpha 2b. IFN-alpha proteins are widely used as standard treatments during antiviral and antineoplastic therapies. The IFN-alpha 2b variant differs from IFN-alpha 2a by one amino acid.

### Product Info

**Amount :** 100 µg / 250 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MCDLPQTHSL GSRRTLMLLA QMRRISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST  
KDSSAAWDET LLDKFYTELY QQLNDLEACV IQGVGVETETP LMKEDSILAV RKYFQRITLY LKEKKYSPCA  
WEVVRAEIMR SFSLSTNLQE SLRSKE

### Application Note

**Endotoxin:** Less than  $0.1 \text{ ng}/\mu\text{g}$  (1 IEU/ $\mu\text{g}$ ) as determined by LAL test.

Biological Activity was determined by Viral CPE assay using EMC virus on A549 cells , at:  $\geq 2.0 \times 10^8$  units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialled to compensate for this loss.

