

32-12109: Human Interferon-alpha 2a

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 2a (IFN-alpha 2a) 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 2a. IFN-alpha proteins are widely used as standard treatments during antiviral and antineoplastic therapies. The IFN-alpha 2a variant differs from IFN-alpha 2b 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°C
Amino Acid : MCDLPQTHSL GSRRTLMLLA QMRKISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST
KDSSAAWDET LLDKFYTELY QQLNDLEACV IQGVGVETETP LMKEDSILAV RKYFQRITLY LKEKKYSPCA
WEVVRAEIMR SFSLSTNLQE SLRSKE

Application Note

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

Biological Activity was determined by Viral CPE assay using EMC virus on A549 cells at $\leq \text{NA}$; $\geq 2.0 \times 10^8$ 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°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 vial to compensate for this loss.



