

32-12115: Rat Interferon-gamma

Gene : Ifng
Gene ID : 25712
Uniprot ID : P01581
Alternative Name : Type II interferon, T cell interferon, Immune Interferon, MAF

Description

Source: Genetically modified E.coli.

Predicted MW: Noncovalently-linked homodimer, 15.6 / 31.2 kDa (135 / 270 aa)

Interferon gamma (IFN-gamma) is a type II interferon that is critical during adaptive and innate immune responses to infection. IFN-gamma is produced by T cells and natural killer cells following antigen-specific activation. IFN-gamma binds IFN-gamma receptors (IFN-gamma R1 and IFN-gamma R2), which are expressed on most immune cells, to activate the JAK-STAT pathway. IFN-gamma-induced signaling increases the expression of class I major histocompatibility complex (MHC) molecules.

Product Info

Amount : 100 µg / 250 µg
Purification : Reducing and Non-Reducing SDS PAGE at >= 95%
Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 100 mM sodium chloride, pH 7.5
 Sterile water at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : MQGTLIESLE SLKNYFNSSS MDAMEGKSL LDIWRNWQKD GNTKILESQI ISFYLRRLFV LKDNQAISNN
 ISVIESHLIT NFFNSKAKK DAFMSIAKFE VNNPQIQHKA VNELIRVIHQ LSPESLRKR KRSRC

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

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.

