

32-8708: Recombinant Mouse Interferon gamma/IFN-gamma (C-6His)

Gene : Ifng
Gene ID : 15978
Uniprot ID : P01580

Description

Source: Human Cells.
MW :16.6kD.

Recombinant Mouse Interferon gamma is produced by our Mammalian expression system and the target gene encoding His23-Cys155 is expressed with a 6His tag at the C-terminus. Mouse Ifng is a secreted protein which belongs to the type I I (or gamma) interferon family. IFNG is produced by lymphocytes and activated by specific antigens or mitogens. In addition to having antiviral activity, IFNG also has important immunoregulatory functions. It is a potent activator of macrophages and has antiproliferative effects on transformed cells. It can potentiate the antiviral and antitumor effects of the type I interferons. Genetic variation in IFNG is associated with the risk of aplastic anemia (AA) which is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : HGTVIESLESLNNYFNSSGIDVEEKSFLDIWRNWQKDGDMKILQSQIISFYLRRLFVLDKNQAISNNISVIESHLI
TFFSNSKAKKDAFMSIAKFEVNNPQVQRQAFNELIRVVHQLLPESLRRKRKRSRCVDHHHHHH

Application Note

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