

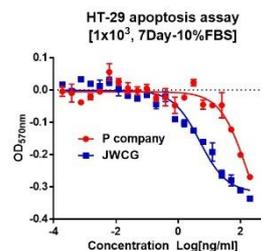
DATA SHEET

Product Information

Product Name	: Recombinant Human Interferon-gamma (rhIFN-γ)
Synonyms	: IFNG, IFG, Immune Interferon, type II interferon, T cell interferon, MAF
Description	: Interferon gamma (IFN γ) is a dimerized soluble cytokine that is the only member of the type II class of interferons. IFN γ is critical for innate and adaptive immunity against viral, some bacterial and protozoal infections. IFN γ is an important activator of macrophages and inducer of Class II major histocompatibility complex (MHC) molecule expression. (Ref. From Wikipedia)
NCBI Accession No.	NM_000619.2
Amino acid sequence	: MKYTSYILAFQLCIVLGSIGCYCQDPYVKEAENLKKYFNAGHSDVADNGT LFLGILKNWKEESDRKIMQSQIVSFYFKLFKNFKDDQSIQKSVETIKEDM NVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELIQVMAELSPAAGTG KRKRSQMLFRGRRASQ
Molecular Mass	: 16.87 kDa (144 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-H020-0010, JW-H020-0025, JW-H020-0050, JW-H020-0100, JW-H020-0250, JW-H020-0500, JW-H020-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Mouse Rat, Monkey, Pig

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method
Biological Activity	: Determined by cytotoxicity of HT-29 indicator cells. The ED50 is < 0.05 ng/ml, corresponding to a specific activity of > 2.0×10^7 U/mg
Endotoxin	: Less than 0.1 EU/ μ g as determined by the LAL method
Formulation	: 20mM sodium phosphate, 5% glycerol (pH 7.4) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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