

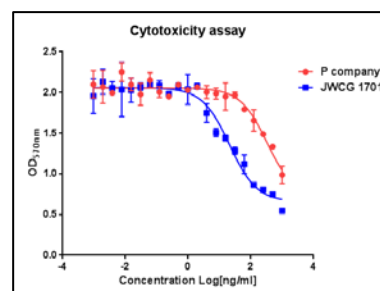
## DATA SHEET

### Product Information

<b>Product Name</b>	: <b>Recombinant Human Interferon-gamma (rhIFN-<math>\gamma</math>)</b>
<b>Synonyms</b>	: IFNG, IFG, Immune Interferon, type II interferon, T cell interferon, MAF
<b>Description</b>	: Interferon gamma (IFN $\gamma$ ) is a dimerized soluble cytokine that is the only member of the type II class of interferons. IFN $\gamma$ is critical for innate and adaptive immunity against viral, some bacterial and protozoal infections. IFN $\gamma$ is an important activator of macrophages and inducer of Class II major histocompatibility complex (MHC) molecule expression. (Ref. From Wikipedia)
<b>NCBI Accession No.</b>	NM_000619.2
<b>Amino acid sequence</b>	: MKYTSYILAFQLCIVLGLGSLGCYQDPYVKEAENLKKYFNAGHSDVADNGT LFLGILKNWKEESDRKIMQSQIVSFYFKLFKNFKDDQSIQKSVETIKEDM NVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELIVMAELSPAAKTG KRKRSQMLFRGRRASQ
<b>Molecular Mass</b>	: 16.87 kDa (144 aa)
<b>Protein Tags</b>	: No tagging
<b>Source</b>	: <i>E. coli</i> .
<b>Cat. No.</b>	: HIFNG-10, HIFNG-25, HIFNG-50, HIFNG-100, HIFNG-250, HIFNG-500, HIFNG-1000
<b>Storage</b>	: Should be at $\leq -70$ °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
<b>Cross Reactivity</b>	: Human, Mouse Rat, Monkey, Pig

### Quality Control

Test items	Specifications
<b>Appearance</b>	: Clear, colorless liquid
<b>Purity</b>	: Greater than 98 % by RP-HPLC and SDS-PAGE
<b>Specificity</b>	: Using Western blot, detection
<b>Concentration</b>	: 0.1 mg/ml, Bradford method
<b>Biological Activity</b>	: Determined by cytotoxicity of HT-29 indicator cells. The ED50 is < 0.05 ng/ml, corresponding to a specific activity of > 2.0 $\times 10^7$ U/mg
<b>Endotoxin</b>	: Less than 0.1 EU/ $\mu$ g as determined by the LAL method
<b>Formulation</b>	: 20mM sodium phosphate, 5% glycerol (pH 9.0) without preservative or carrier proteins.
<b>Stability</b>	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
<b>Sterility</b>	: Sterilized through a 0.2 $\mu$ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



**Manufacturer** : **JW CreaGene Inc.**  
 FL2, Jungang induspia V, 138-6, Sangdaewon-dong, Jungwon-gu, Seongnam-si,  
 Gyeonggi-do, South Korea (462-120)  
 Tel: 82-31-737-3310, Fax: 82-31-737-3301