Recombinant Human Interferon Gamma

Cat. No. IFNG-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interferon gamma produced in E. coli is a single, non-glycosylated, polypeptide chain containing 144 amino acids and having a molecular mass of 16879 Dalton.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.0.
Bio-activity	The specific activity as determined in a viral resistance assay using VSV-WISH cells was found to be greater than 1.5 x 10^7 IU/ mg.
Molecular Mass	16879 Dalton
AA Sequence	MQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFYFKL FKNFKDDQSIQKSVETIK EDMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELI QVMAELSPAAKTGKRKRSQMLFRGRRASQ
Endotoxin	Less than 1ng/ɡ (1IEU/ɡ) determined by LAL test.
Purity	>95% as determined by SDS-PAGE and SEC-HPLC.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNG interferon, gamma [Homo sapiens]
Official Symbol	IFNG
Synonyms	IFNG; interferon, gamma; interferon gamma; IFN-gamma; immune interferon; IFG; IFI;
Gene ID	3458
mRNA Refseq	NM_000619
Protein Refseq	NP_000610
MIM	147570
UniProt ID	P01579
Chromosome Location	12q14
Pathway	ATF-2 transcription factor network, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection,

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	conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;
Function	cytokine activity; interferon-gamma receptor binding;

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