

# Human IFN-gamma Recombinant Protein

## Product Details

Size	50 µg
Species	Human
Expression system	E. coli
Amino acid sequence	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFQGR RASQ
Molecular weight	16.7 kDa
Class	Recombinant
Type	Protein
Purity	>98% by SDS-PAGE and HPLC
Activity	ED50 0.05 ng/mL; determined by a dose-dependent cytotoxicity assay using HT-29 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles

## Applications

## Tested Dilution

## Publications

Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	6 Publications

## Product Specific Information

Use: IFN gamma exerts activity in the range of 0.1 to 10 ng/mL for most in vitro applications.

**Reconstitution and Dilution:** Reconstitute in distilled water to a concentration of 100 µg/mL. After reconstitution, dilute cytokine in a neutral buffer containing carrier protein such as 5-10% FBS or 1-4% high purity BSA (fatty acid free fraction V).

Lyophilized product is stable until expiration if stored desiccated below 0°C. Cytokines diluted as indicated above should be divided into aliquots and stored at -70°C. Recombinant proteins should be stored at concentrations >500 ng/mL to reduce loss of activity.

## 6 References

### Miscellaneous PubMed (6)

Cell chemical biology

#### Dual Modifications of -Galactosylceramide Synergize to Promote Activation of Human Invariant Natural Killer T Cells and Stimulate Anti-tumor Immunity.

Authors: Chennamadhavuni D, Saavedra-Avila NA, Carreño LJ, Guberman-Pfeffer MJ, Arora P, Yongqing T, Pryce R, Koay HF, Godfrey DI, Keshipeddy S, Richardson SK, Sundararaj S, Lo JH, Wen X, Gascón JA, Yuan W, Rossjohn J, Le Nours J, Porcelli SA, Howell AR

Year  
2018

Scientific reports

#### 20S immunoproteasomes remove formaldehyde-damaged cytoplasmic proteins suppressing caspase-independent cell death.

Authors: Ortega-Atienza S, Krawiec C, Watts L, McCarthy C, Luczak MW, Zhitkovich A

Year  
2017

[View more Misc references on thermofisher.cn](#)

### More applications with references on thermofisher.cn

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.