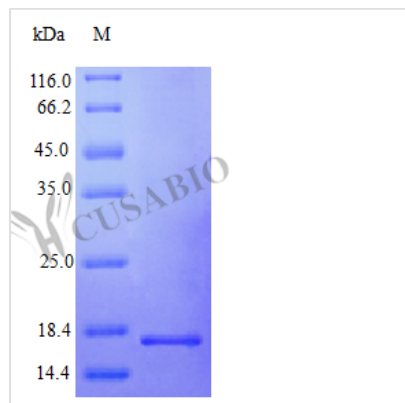




Recombinant Human Interferon gamma protein (IFNG), (Active)

Product Code	CSB-AP002801HU
Abbreviation	Recombinant Human IFNG protein (Active)
Uniprot No.	P01579
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
Product Type	Interferon
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as measured in anti-viral assays using human HeLa cells infected with encephalomyocarditis (EMC) virus is 0.15-0.80 ng/ml.
Purity	>98% as determined by SDS-PAGE.
Sequence	M+QDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNK KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFRGR RASQ
Lead Time	5-10 business days
Research Area	Immunology
Source	E.coli
Target Names	IFNG
Expression Region	M+24-166aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	16.9 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	6180322; 6173769; 2860101; 6329718; 6176945; 19054851; 15489334; 6427223; 3109913; 2504704; 1902591; 7617032; 10860730; 10986460; 1525157; 15327519

Image



Description

Our Recombinant Human IFNG (Interferon gamma) is a highly pure and biologically active protein that plays a critical role in immunology research. IFNG, also known as immune interferon, is a key cytokine involved in immune response modulation and defense against viral infections.

This tag-free recombinant protein is produced using an *E. coli* expression system, ensuring its high purity level of over 98% as determined by SDS-PAGE and HPLC analysis. With a full-length mature protein sequence spanning amino acids 24 to 166, it provides a reliable and consistent tool for your immunological studies.

This IFNG protein exhibits full biological activity compared to a standard reference. In anti-viral assays using human HeLa cells infected with encephalomyocarditis (EMC) virus, it shows an effective dose (ED₅₀) range of 0.15-0.80 ng/ml. Additionally, the product has been carefully tested to have an endotoxin level of less than 1.0 EU/μg, ensuring its suitability for sensitive applications. It is supplied as a lyophilized powder, offering stability and ease of use in your research experiments and applications.

Recovery

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.