

Human CellExp IFN-gamma, human recombinant protein
IFNG, IFG, IFI
Catalog # PBV10896r**Specification**

Human CellExp IFN-gamma, human recombinant protein - Product info

Primary Accession	P01579
Calculated MW	Calculated MW of 16.8 kDa with no tag. The predicted N-terminus is Gln 24. DTT-reduced protein migrates as 25.0 kDa due to glycosylation. KDa

Human CellExp IFN-gamma, human recombinant protein - Additional Info

Gene ID	3458
Gene Symbol	IFN-gamma
Other Names	
IFNG, IFG, IFI	
Gene Source	Human
Source	HEK 293 cells
Assay&Purity	SDS-PAGE; ≥93%
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
IFN-gamma	

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized powder

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 100 mM NaCl, pH 8.0. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp IFN-gamma, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp IFN-gamma, human recombinant protein - Images

Human CellExp IFN-gamma, human recombinant protein - Background

Interferon-gamma (IFN- γ /IFNG) is a dimerized soluble cytokine that is the only member of the type II class of interferon. This interferon was originally called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFN- γ belongs. IFN-gamma has been used in a wide variety of clinical indications. Interferon-gamma (IFN gamma) is a central regulator of the immune response and signals via the Janus Activated Kinase (JAK)-Signal Transducer and Activator of Transcription (STAT) pathway. Interferon gamma has broader roles in activation of innate and adaptive immune responses to viruses and tumors, in part through upregulating transcription of genes involved in cell cycle regulation, apoptosis, and antigen processing/presentation. Despite this, rodent and human trophoblast cells show dampened responses to IFNG that reflect the resistance of these cells to IFNG-mediated activation of major histocompatibility complex (MHC) class II transplantation antigen expression.

Human CellExp IFN-gamma, human recombinant protein - References

Gray P.W., et al. Nature 298:859-863(1982).
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Nishi T., et al. J. Biochem. 97:153-159(1985).
Taya Y., et al. EMBO J. 1:953-958(1982).
Devos R., et al. Nucleic Acids Res. 10:2487-2501(1982).