



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## PPH77      PODS® Human IFN-γ

### Description

The product contains the polyhedrin protein co-crystalized with Human IFN-γ. Interferon γ (IFN-γ) is a type II interferon that is critical during adaptive and innate immune responses to infection. IFN-γ is produced by T cells and Natural Killer cells following antigen-specific activation. IFN-γ binds IFN-γ receptors (IFN-γ R1 and IFN-γ R2), which are expressed on most immune cells, to activate the JAK-STAT pathway. IFN-γ induced signaling increases the expression of class 1 major histocompatibility complex (MHC) molecules. Human IFN-γ is not cross-reactive with mouse IFN-γ.

<b>Length</b>	211 aa
<b>Molecular Weight</b>	49.4 kDa
<b>Source</b>	<i>Spodoptera frugiperda (Sf9) cell culture</i>
<b>Accession Number</b>	P01579

### Usage Recommendation

PODS® co-crystals provide a depot of proteins which are steadily secreted. It has been estimated that the biological activity of 50 million PODS® co-crystals generates the same peak dose as 3.3 µg of standard recombinant protein. However, at 5 days following the start of seeding the PODS® co-crystals, there are more than 50% of these peak levels still present in the culture system. Ultimately, the amount of PODS® co-crystals that is optimal for a particular experiment should be determined empirically. Based on previous data, we suggest using 50 million PODS® co-crystals in place of 3.3 µg of standard growth factor as a starting point. To control for cross-reactivity with cells or as a negative control, we recommend using PODS® growth factors alongside [PODS® Empty crystals](http://www.cellgs.com/products/podsand8482-empty.html), as the latter do not contain or release cargo protein.

### Specifications

<b>Alternative Names</b>	Interferon-γ, interferon-gamma, interferon gamma, type II interferon, T cell interferon, immune Interferon, MAF, IFG, IFI, IFN-gamma, IFN gamma
<b>Endotoxin Level</b>	<0.06 EU/ml as measured by gel clot LAL assay
<b>Formulation</b>	PODS® were lyophilized from a volatile solution
<b>AA Sequence</b>	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFRGR RASQDPAFLY KVVDDGYLLAF NSQRRSHTLR LLGPFQYFNF SETDRGHPLF RLPLKYPSKA IPADELIDNL H

### Preparation and Storage

<b>Reconstitution</b>	PODS® co-crystals may be reconstituted at 200 million co-crystals/ml in water. 20% glucose has a buoyant density closer to PODS® co-crystals and can be useful for aliquoting. PODS® co-crystals are highly stable when stored in aqueous solution (pH range 6 - 8).
<b>Stability and Storage</b>	Upon receipt, store at 4°C. PODS® co-crystals are stable for at least 1 year when dry and 6 months when resuspended.