



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### IFNG (Human) Recombinant Protein (P01)

**Catalog Number:** H00003458-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human IFNG full-length ORF ( NP\_000610, 1 a.a. - 166 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MKYTSYILAFQLCIVLGLSLGCYCQDPYVKEAENLKKYF  
NAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFY  
FKLFKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDD  
FEKLTNYSVTDLNVQRKAIHELIVMAELSPAAGTKGR  
KRSQMLFQGRRASQ

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 43.89

**Interspecies Antigen Sequence:** Mouse (41); Rat (39)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3458

**Gene Symbol:** IFNG

**Gene Alias:** IFG, IFI

**Gene Summary:** Interferon-gamma (IFNG), or type II

interferon, is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Aberrant IFNG expression is associated with a number of autoinflammatory and autoimmune diseases. The importance of IFNG in the immune system stems in part from its ability to inhibit viral replication directly, but most importantly derives from its immunostimulatory and immunomodulatory effects. IFNG is produced predominantly by natural killer (NK) and natural killer T (NKT) cells as part of the innate immune response, and by CD4 (MIM 186940) and CD8 (see MIM 186910) cytotoxic T lymphocyte (CTL) effector T cells once antigen-specific immunity develops (Schoenborn and Wilson, 2007 [PubMed 17981204]).[supplied by OMIM]