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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

INFG (Human) Recombinant Protein

Catalog Number: P8139

Regulation Status: For research use only (RUO)

Product Description: Human INFG recombinant protein expressed in *Escherichia coli*.

Sequence:

MQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKNW
KEESDRKIMQSQIVSFYFKLFKNFKDDQSIQKSVETIKE
DMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHE
LIQVMAELSPA AKTGKRKRSQMLFQGRRASQ

Host: *Escherichia coli*

Theoretical MW (kDa): 17

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

Form: Lyophilized

Preparation Method: *Escherichia coli* expression system

Purification: Chromatography

Purity: > 98% as determined by (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Activity: The specific activity is < 0.05 ng/mL determined by a viral resistance assay, corresponding to a specific activity of 2.0×10^7 IU/mg.

Storage Buffer: Lyophilized from a solution containing 1X PBS, pH 4.6. Reconstitute the lyophilized powder in ddH₂O to 100 ug/mL in phosphate buffer pH >7.0 containing 0.15M NaCl.

Storage Instruction: Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Avoid repeated freeze/thaw cycles.

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]