

# Product Datasheet

## Recombinant Human IFN-gamma Protein NBP2-34992-20ug

Unit Size: 20ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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### Publications: 7

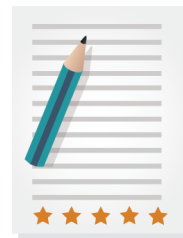
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**NBP2-34992-20ug****Recombinant Human IFN-gamma Protein**

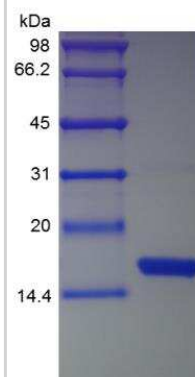
<b>Product Information</b>	
<b>Unit Size</b>	20ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
<b>Purity</b>	> 98 % pure by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
<b>Target Molecular Weight</b>	16.9 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 144 amino acids corresponding to IFN-gamma <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P01579</p> <p><b>Amino Acid Sequence:</b> MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFRGR RASQ</p>
<b>Gene ID</b>	3458
<b>Gene Symbol</b>	IFNG
<b>Species</b>	Human
<b>Details of Functionality</b>	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.
<b>Endotoxin Note</b>	Less than 1 EU/ug of IFN-gamma as determined by LAL method.

<b>Product Application Details</b>	
<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity

**Images**

SDS-Page: Human IFN-gamma Protein [NBP2-34992]



## Publications

Wenhua Yan, Tianhan Li, Tieying Yin, Zhengjun Hou, Kai Qu, Nan Wang, Colm Durkan, Lingqing Dong, Juhui Qiu, Hans Gregersen, Guixue Wang M2 macrophage-derived exosomes promote the c-KIT phenotype of vascular smooth muscle cells during vascular tissue repair after intravascular stent implantation *Theranostics* 2020-01-01 [PMID: 32929376]

Schiefer S, Hale B Proximal protein landscapes of the type I interferon signaling cascade reveal negative regulation by the E3 ubiquitin ligase PJA2 *bioRxiv* 2023-10-09 (In vitro)

Gong P, Ding Y, Sun R et al. Mesenchymal stem cells alleviate systemic sclerosis by inhibiting the recruitment of pathogenic macrophages *Cell death discovery* 2022-11-26 [PMID: 36435837]

Zhu M, Chu Y, Shang Q et al. Mesenchymal stromal cells pretreated with pro-inflammatory cytokines promote skin wound healing through VEGFC-mediated angiogenesis *Stem Cells Transl Med* 2020-06-13 [PMID: 32534464] (Human)

Wang L, Yang X, Li D et al. The elevated glutaminolysis of bladder cancer and T cells in a simulated tumor microenvironment contributes to the up-regulation of PD-L1 expression by interferon-g. *bioRxiv*. 2018-10-31 [PMID: 30425515]

Wu J, Zhang XX, Zou X et al. The effect of Jianpi Yangzheng Xiaozheng Decoction and its components on gastric cancer *J Ethnopharmacol* 2019-02-05 [PMID: 30731181] (Bioactivity, Human)

Jiasi Wu, 1, Hai Zhang et al. Coptisine from *Coptis chinensis* inhibits production of inflammatory mediators in lipopolysaccharide-stimulated RAW 264.7 murine macrophage cells. *Eur J Pharmacol* 2016-06-05 [PMID: 27018392]





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