

Product Datasheet

Recombinant Human IFN-gamma Protein NBP2-34992-100ug

Unit Size: 100 ug

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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NBP2-34992-100ug

Recombinant Human IFN-gamma Protein

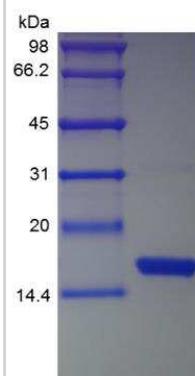
Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	16.9 kDa

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

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	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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Products Related to NBP2-34992-100ug

NBP2-35071-100ug	Recombinant Mouse IFN-gamma Protein
210-TA-005	TNF-alpha [Unconjugated]
285-IF-100	IFN-gamma [Unconjugated]
M6000B-1	IL-6 [HRP]

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