

Product Datasheet

Recombinant Human IFN-alpha 2 Protein NBP2-34971-100ug

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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Publications: 4

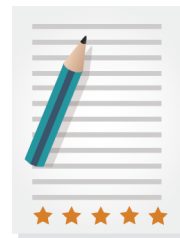
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NBP2-34971-100ug

Recombinant Human IFN-alpha 2 Protein

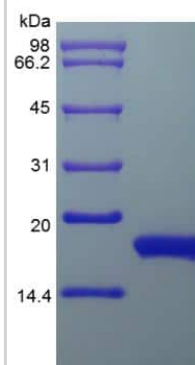
Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge 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	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	19.2 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 165 amino acids corresponding to IFN-alpha 2 Source: Yeast Uniprot ID: P01563 Amino Acid Sequence: CDLPQTHSLG SRRTLMLLAQ MRKISLFSCL KDRHDFGFPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVETETPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES LRSKE
Gene ID	3440
Gene Symbol	IFNA2
Species	Human
Details of Functionality	Interferon alpha 2a protein is fully biologically active when compared to standard. The specific activity determined by an anti-viral assay is no less than 1.0×10^8 IU/mg.
Endotoxin Note	Less than 1 EU/ug of IFN-alpha 2 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Human Interferon alpha 2a Protein [NBP2-34971]



Publications

Howard, JN;Zaikos, TD;Levinger, C;Rivera, E;McMahon, EK;Holmberg, CS;Terao, J;Sanz, M;Copertino, DC;Wang, W;Soriano-Sarabia, N;Jones, RB;Bosque, A; The HIV latency reversing agent HODHBt inhibits the phosphatases PTPN1 and PTPN2 JCI insight 2024-08-08 [PMID: 39115957]

Samira Schiefer, Benjamin G. Hale Proximal protein landscapes of the type I interferon signaling cascade reveal negative regulation by PJA2 Nature Communications 2024-05-27 [PMID: 38802340]

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)

Zhang X, Betterle N, Hidalgo Martinez D, Melis A Recombinant Protein Stability in Cyanobacteria ACS synthetic biology 2021-03-08 [PMID: 33684287]





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Products Related to NBP2-34971-100ug

NBP2-34978-100ug	Recombinant Human IFN-alpha 2 Protein
210-TA-005	TNF-alpha [Unconjugated]
12100-1	IFN-alpha 2 [Unconjugated]
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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