

IFNA2

Recombinant Human Interferon-alpha 2b Yeast Derived

Catalog No.	CRI030A CRI030B CRI030C	Quantity:	20 µg 100 µg 1.0 mg
Alternate Names:	IFNA, IFA2, IFNA2B, IFN-alphaA		
Description:	<p>Recombinant Human Interferon-alpha 2b is a single non-glycosylated polypeptide chain containing 165 amino acids</p> <p>Background: At least 23 different variants of IFN-alpha are known. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences at only one or two positions.</p> <p>Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.</p>		
Gene ID:	3440		
Source:	<i>Saccharomyces cerevisiae</i>		
Molecular Weight:	Approximately 19.4 kDa, a single non-glycosylated polypeptide chain containing 166 amino acids		
Formulation:	Lyophilized from a 0.2µm filtered solution in PBS, pH 7.4, with 0.02 % Tween-20.		
Purity:	>98% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The specific activity determined by an anti-viral assay is no less than 1.6×10^8 IU/mg.		
Amino Acid Sequence:	CDLPQTHSLG SRRTLMLLAQ MRRISLFSCL KDRHDFGFPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVTTETPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES LRSKE		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-8°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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