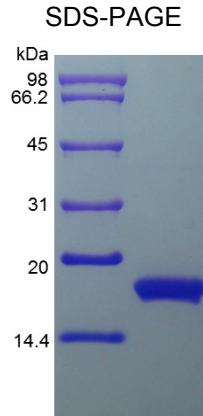


IFNA2

Recombinant Human Interferon alpha 2a

Catalog No.	CRI003A CRI003B CRI003C	Quantity:	20 µg 100 µg 1.0 mg
Alternate Names:	IFNA, INFA2, interferon alpha-2, IeIF A, IFN-alpha-2, interferon alpha A, interferon alpha-A, alpha-2a interferon, interferon alpha 2b		
Description:	<p>IFN-α's are proteins secreted by leukocytes. They are mainly involved in innate immune response against viral infection. The IFN-α family has 13 subtypes and 23 different variants. 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-α subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-α subtypes differ in their sequences at only one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.</p> <p>Recombinant Human Interferon alpha 2a is a single non-glycosylated polypeptide chain containing 165 amino acids.</p>		
Gene ID:	3440		
Source:	Yeast		
Molecular Weight:	~19.2 kDa		
Formulation:	Lyophilized from a 0.2µm filtered solution in PBS, pH 7.4.		
Purity:	>97% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	<1 EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard.		
Specific Activity:	The specific activity as determined in a viral resistance assay was found to be no less than 1.0×10^8 IU/mg.		
Amino Acid Sequence:	CDLPQTHSLG SRRTLMLLAQ MRKISLFSCL KDRHDFGFPPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVTEPL 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. Upon receipt, store desiccated at -20°C. After 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. For long term storage of reconstituted protein, it is recommended that a carrier protein such as 0.1% BSA or HSA be added. This depends on the particular application. Avoid repeated freeze/thaw cycles.		





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