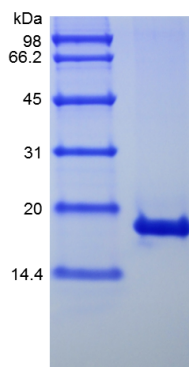


IFNA1

Recombinant Human IFN-alpha 1b

Catalog No.	CRI021A CRI021B CRI021C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Interferon alpha 1B, Interferon alpha-D		
Description:	<p>IFN-α is a type 1 interferon secreted by leukocyte involved in innate immune response against viral infection. The IFN-α family has 13 subtypes and 23 different variants. All IFN-α subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. IFN alpha-1 contains four highly conserved cysteine residues which form two disulfide bonds, one of which is necessary for biological activity.</p> <p>Many IFN-alpha 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. IFN alpha-1b differs from IFN alpha-1a by the substitution of alanine for valine at position 137.</p>		
UniProt ID:	P01562		
Gene ID:	3439		
Source:	<i>E. coli</i>		
Molecular Weight:	19.5 kDa (167 aa) monomer		
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4 containing 4% mannitol and 1% HSA.		
Purity:	>96% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	<1 EU/µg recombinant protein as determined by LAL method.		
Specific Activity:	1 x 10 ⁸ IU/ mg, determined by anti-viral bioassay.		
Amino Acid Sequence:	MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPASVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVDSILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. When reconstituted as directed, product may be store at 2-8°C for up to 1 month. It is recommended to prepare working aliquots and store at -20°C to -80°C Avoid repeated freeze-thaw cycles.		

SDS-PAGE



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