

## IFNA2

## Recombinant Human Interferon alpha 2a

<b>Catalog No.</b>	CRH063A CRH063B CRH063C	<b>Quantity:</b>	20 µg 100 µg 1 mg
<b>Alternate Names:</b>	IFNA, INFA2, interferon alpha-2, leIF A, IFN-alpha-2, interferon alpha A, interferon alpha-A, alpha-2a interferon, interferon alpha 2b		
<b>Description:</b>	<p>Interferon-alpha 2a (IFN-α2a) is a type I interferon made by leukocytes during viral infection. The JAK-STAT pathway mediates the antiviral and anti-cell proliferation activities of IFN-α2a. IFN-α proteins are widely used as standard treatments during antiviral and antineoplastic therapies. The IFN-α2a variant differs from IFN-α2b by one amino acid.</p> <p>Recombinant Human Interferon alpha 2a is a single non-glycosylated polypeptide chain containing 166 amino acids.</p>		
<b>Gene ID:</b>	3440		
<b>Protein Accession No:</b>	P01563		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	19.4 kDa		
<b>Formulation:</b>	Lyophilized from a sterile-filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).		
<b>Purity:</b>	> 95% by SDS-PAGE		
<b>Endotoxin Level:</b>	≤1 EU/µg of protein by kinetic LAL analysis		
<b>Biological Activity:</b>	The protein has full biological activity when compared to the standard. The ED <sub>50</sub> is determined by dose-dependent viral CPE assay using EMC virus on A549 cells.		
<b>Specific Activity:</b>	2.0 x 10 <sup>8</sup> U/mg		
<b>Amino Acid Sequence:</b>	MCDLPQTHSL GSRRTLMLLA QMRKISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST KDSSAAWDET LLDKFYTELY QQLNDLEACV IQGVGVTEPT LMKEDSILAV RKYFQRITLY LKEKKYSPCA WEVVRAEIMR SFSLSTNLQE SLRSKE		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/ml. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	<p>Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store desiccated at -20°C for up to 1 year.</p> <p>Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. <b>Avoid repeated freeze-thaw cycles.</b></p>		

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**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)