

## 32-7020: Recombinant Human Interferon a2A Variant (Lys46)/IFN-a2A

**Gene :** IFNA2  
**Gene ID :** 3440  
**Uniprot ID :** P01563

### Description

Source: E.coli.  
MW :19.24kD.

Recombinant Human Interferon alpha-2a is produced by our E.coli expression system and the target gene encoding Cys24-Glu188 is expressed. At least 23 different variants of IFN-a 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-a subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-a subtypes only differ in their sequences by one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MCDLPQTHSLGSRRTMLLAQMRKISLFSCDKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLFSTKDSSA  
AWDETLLDKFYTELYQQLEACVIQGVGTETPLMKEDSILAVRKYFQRITLYLKEKKYSPCAWEVVRAEIMR  
SFSLSTNLQESLRSKE

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Biological Activity :** Specific Activity is greater than 1.0 x 10<sup>8</sup> IU/ mg.