

**PRODUCT INFORMATION**

<b>Target</b>	IFN
<b>Synonyms</b>	Interferon Alpha-2;IFN-Alpha-2;Interferon Alpha-A;LeIF A;IFNA2
<b>Description</b>	Recombinant Human Interferon Alpha-2b is produced by our E.coli expression system and the target gene encoding Cys24-Glu188(Lys46Arg) is expressed.
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P05013
<b>Expression Host</b>	E.coli
<b>Tag</b>	
<b>Molecular Characterization</b>	Not available
<b>Molecular Weight</b>	19.4 KDa
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	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 differ in their sequences by only one or two positions. Naturally occurring variants also include proteins that are truncated by 10 amino acids at the carboxyl-terminal end.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



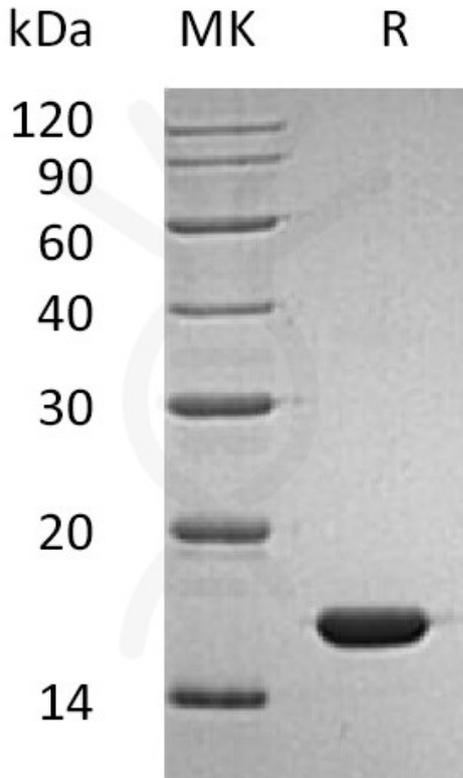


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

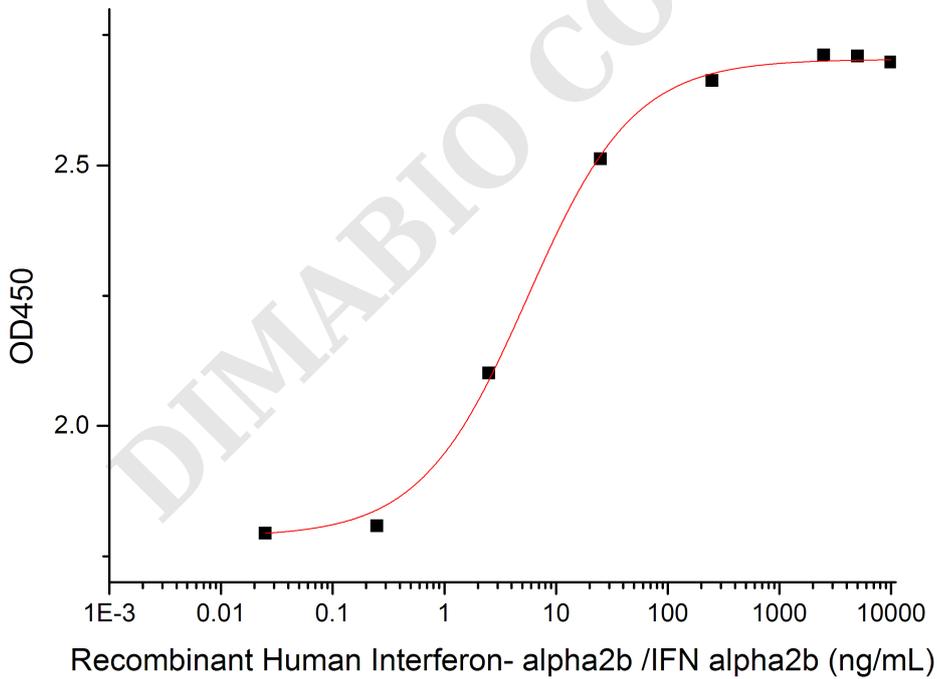


Figure 2. Measured in antiviral assay using A549 human lung cancer cells infected with vesicular stomatitisvirus (VSV) The ED50 for this effect is 5 ng/mL.

