PRODUCT INFORMATION

Target	IFN
Synonyms	Interferon Alpha-2;IFN-Alpha-2;Interferon Alpha-A;LeIF A;IFNA2
Description	Recombinant Human Interferon Alpha-2b is produced by our E.coli expression system and the target gene encoding Cys24-Glu188(Lys46Arg) is expressed.
Delivery	In Stock
Uniprot ID	P05013
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	19.4 KDa
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage&Shipping	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.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

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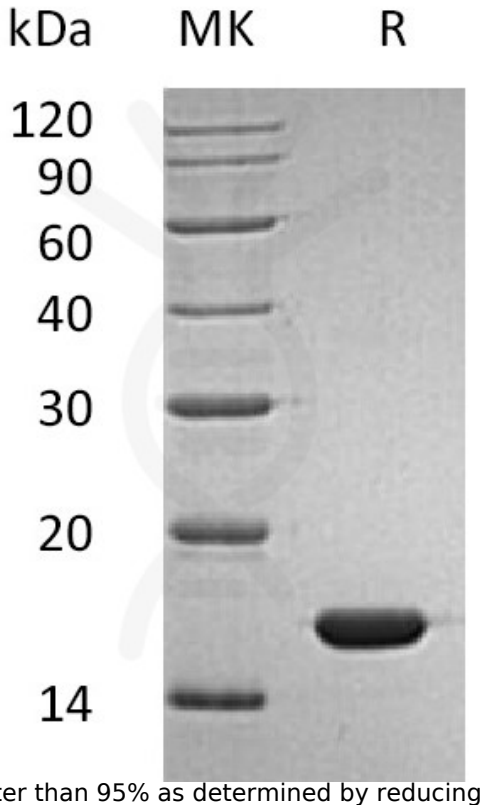


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

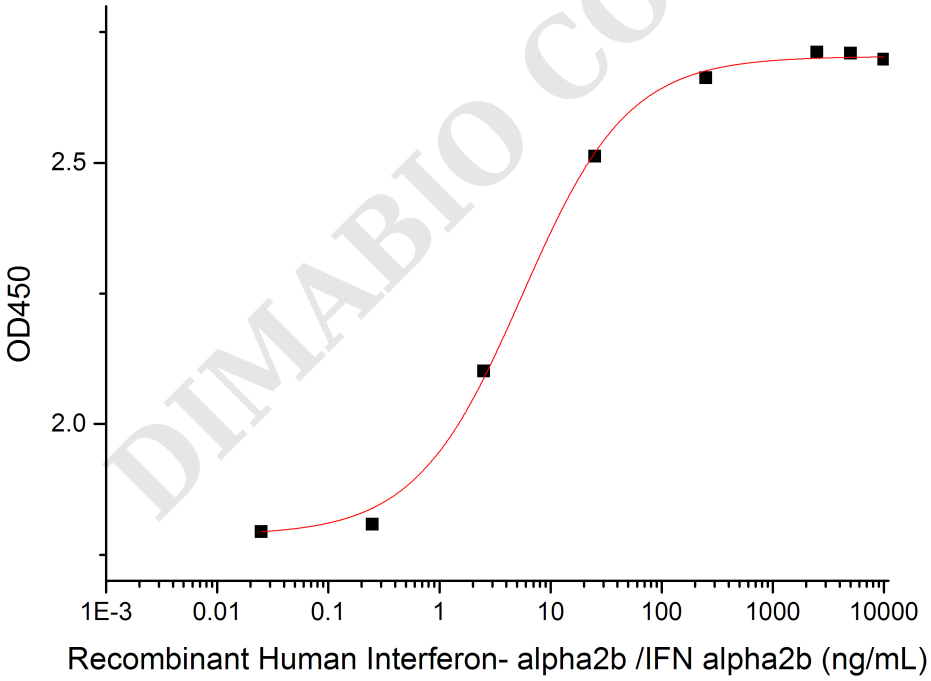


Figure 2. Measured in antiviral assay using A549 human lung cancer cells infected with vesicular stomatitisvirus (VSV) The ED50 for this effect is 5 ng/mL.

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