

**IFN- $\alpha$ 2A (Lys46), Human, Recombinant**

Cat. No. : PCK163

**General Information**

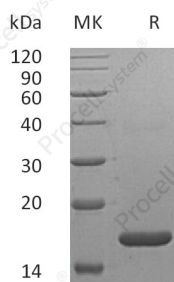
|                        |                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>        | Interferon Alpha-2; IFN-Alpha-2; Interferon Alpha-A; LeIF A; IFNA2                                                                         |
| <b>Species</b>         | Human                                                                                                                                      |
| <b>Expression host</b> | E.coli                                                                                                                                     |
| <b>Sequence</b>        | Cys24-Glu188 (Arg46Lys)                                                                                                                    |
| <b>Accession</b>       | P01563                                                                                                                                     |
| <b>Mol mass</b>        | 19.24 kDa                                                                                                                                  |
| <b>Expiration date</b> | 12 months                                                                                                                                  |
| <b>Bio activity</b>    | Loaded Human IFNAR2-Fc on Protein A Biosensor, can bind Human IFN alpha2a with an affinity constant of 1.95 nM as determined in BLI assay. |

**Product feature**

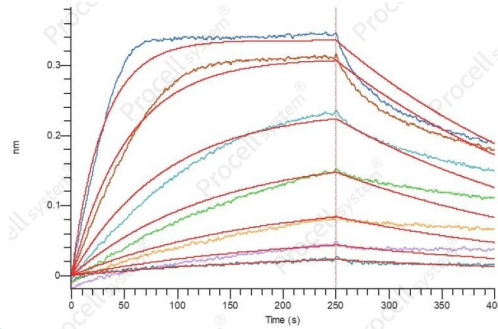
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|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>                           | > 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                  |
| <b>Endotoxin (EU/<math>\mu</math>g)</b> | < 0.1                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>                          | Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.                                                            |
| <b>Shipping</b>                         | Ice bag                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>                      | Lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.                                                                                                                                                                                                         |
| <b>Reconstitution</b>                   | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

**Background**

At least 23 different variants of IFN- $\alpha$  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- $\alpha$  subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN- $\alpha$  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.

**SDS-PAGE**

## Bio activity



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