



# Recombinant Mouse IFN alpha2

<b>Catalog #</b>	EPT298
<b>Expression Host</b>	E.coli
<b>DESCRIPTION</b>	Recombinant Mouse Interferon Alpha-2 is produced by our E.coli expression system and the target gene encoding Cys24-Glu190 is expressed.
<b>Accession</b>	P01573
<b>Synonyms</b>	Interferon Alpha-2; IFN-Alpha-2; Interferon Alpha-A; LeIF A; IFNA2
<b>Mol Mass</b>	19.5 KDa
<b>AP Mol Mass</b>	16 KDa, reducing conditions
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>FORMULATION</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 100mM NaCl, pH 7.5.
<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 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

## STORAGE

Lyophilized protein should be stored at  $< -20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at  $4-7^{\circ}\text{C}$  for 2-7 days.

Aliquots of reconstituted samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

## BACKGROUND

At least 23 different variants of Interferon- $\alpha$  are known. The individual proteins have molecular masses between 19-26 kD 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 differ in their sequences at only one or two





positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxyl-terminal end.

### **SDS-PAGE**

