

## General Information

### Gene Name Synonym

Interferon alpha-II-1

### Protein Construction

A DNA sequence encoding the human IFNW1 (P05000) (Met1-Ser195) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus(VSV).

The ED<sub>50</sub> for this effect is typically 2-8 pg/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Leu 22

## Molecular Mass

The recombinant human IFNW1 consists of 185 amino acids and predicts a molecular mass of 21.6 KDa. It migrates as an approximately 22 KDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

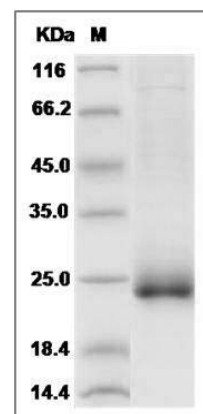
Store it under sterile conditions at -20°C to -80°C.

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human IFN omega 1 / IFNW1 Protein (His Tag)  
SDS-PAGE