Catalog Number: 503748



# **General Information**

#### Gene Name Synonym

Interferon alpha-II-1

#### **Protein Construction**

A DNA sequence encoding the human IFN? (NP\_002168.1) (Cys 24-Ser 195) was fused with the Fc region of human IgG1 at the N-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  $EC_{50}$  for this effect is 0.03-0.3 ng/mL.

#### Purity

> 92 % as determined by SDS-PAGE

#### Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^\circ \rm C$ 

### **Predicted N terminal**

Glu 20

#### **Molecular Mass**

The recombinant human IFN?/Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 409 amino acids with a predicted molecular mass of 46.6 kDa. As a result of glycosylation, rh IFN?/Fc monomer migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.

#### Formulation

Lyophilized from sterile PBS, pH 7.41. 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**

KDa	
116	_
66.2	-
45.0	
35.0	
25.0	-
18.4	
14.4	and the second se

Human Interferon omega-1 / IFN? / IFNW1 Protein (Fc Tag) SDS-PAGE