# Human IFN omega (His Tag) recombinant protein

Catalog Number: 500768



# **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  $ED_{50}$  for this effect is typically 2-8 pg/mL.

#### **Purity**

> 95 % 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°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**

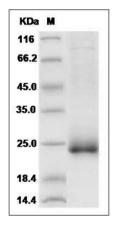
# **Storage**

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