

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 ED₅₀ 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

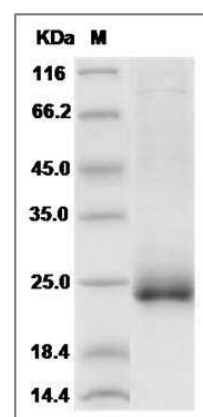
Store it under sterile conditions at -20°C to -80°C.

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