



Recombinant Protein Technical Manual
Recombinant Human Interferon ω /IFNW1 Protein
(His Tag)
RPES1920

Product Data:

Product SKU: RPES1920

Size: 10 μ g

Species: Human

Expression host: Human Cells

Uniprot: P05000

Protein Information:

Molecular Mass: 21.1 kDa

AP Molecular Mass: 24 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 μ m filtered solution of 20mM PB,150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interferon omega;Interferon alpha-II;IFNW1.

Immunogen Information:

Sequence: Leu22-Ser195

Background:

Interferon omega is also known as Interferon alpha-II and IFNW1. It is a secreted protein that in humans is encoded by the IFNW1 gene. IFNW1 belongs to the alpha/beta interferon family. Type I IFNs consist of IFN α , β , τ , and ω and bind to the type I IFN receptor, whereas IFN- γ is the only type II IFN and is specific for the type II IFN receptor. IFNW1 is a recently discovered protein structurally related to IFN-alpha and -beta. It has been shown that IFN-omega 1 is similar to that of other human class I IFNs; potent antiviral activity was also observed on cells of bovine and ovine but not of equine or murine origin.