Active Recombinant Human IFNW1 Protein (Cys24-Ser195), C-His tagged, Animal-free, Carrier-free

Cat. No. IFNW1-157H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNW1 Protein (Cys24-Ser195) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Cys24-Ser195
Description	Interferon Omega (IFN-ω) is a 20.12 kDa member of type I IFN family with 173 amino acid residues. IL-28B is expressed by epithelial tissues. IFN-ω with antiviral, antitumor activity and regulating the innate immune response. Able to activate P13K/Akt signaling pathway via binding its receptor IFNAR in cells.
Form	Lyophilized
Bio-activity	Measure by its ability to induce cytotoxicity in TF-1 cells. The ED50 for this effect is < 0.02 ng/mL. The specific activity of recombinant human IFN omega is approximately >5 × 10^7 IU/ mg.
Molecular Mass	The protein has a calculated MW of 20.93 kDa. The protein migrates as 20 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

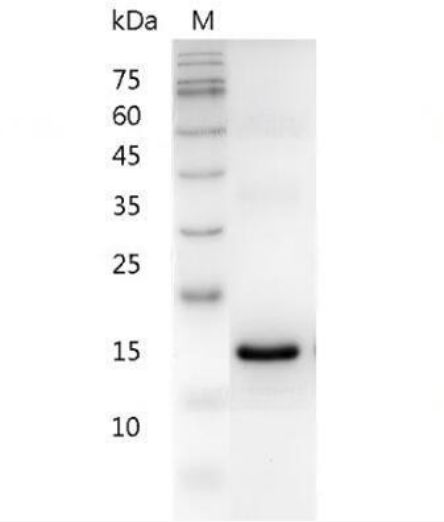
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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IFNW1 interferon, omega 1 [Homo sapiens (human)]
Official Symbol	IFNW1
Synonyms	IFNW1; interferon, omega 1; interferon omega-1; IFN omega 1; interferon omega 1; interferon alpha-II-1; IFN-omega 1, interferon omega-1;
Gene ID	3467
mRNA Refseq	NM_002177
Protein Refseq	NP_002168

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MIM	147553
UniProt ID	P05000
SDS-PAGE analysis of recombinant human IFN omega.	

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