

Active Recombinant Human IFN ω 1 protein, hFc-tagged

Cat. No. IFNW1-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFN ω 1 protein(NP_002168.1)(Cys24-Ser195), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-195 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-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.
Molecular Mass	The recombinant human IFN ω /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 ω /Fc monomer migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.
Proteinlength	Cys24-Ser195
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method

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Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNW1 interferon, omega 1 [Homo sapiens]
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
MIM	147553
UniProt ID	P05000

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