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IFN-ω

Catalog # PVGS1165

Product Information

Primary Accession	P05000
Species	Human
Sequence	Cys24-Ser195
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	
Biological Activity	Fully biologically active when compared to standard. The ED_{50} as determined by a chemotaxis bioassay using human TF-1 cells is less than 0.01 ng/ml, corresponding to a specific activity of > 1.0×10^8 IU/mg.
Expression System	E. coli
Theoretical Molecular Weight	20 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	3467
Other Names	Interferon omega-1, Interferon alpha-II-1, IFNW1
Target Background	Interferon-Omega (IFN-ω) coded by IFNW1 gene in human, is a number of the type I interferon family, which includes IFN-a, IFN-β, and IFN-ω. The IFNAR-1/IFNAR-2 receptor complex can help with the signal transduction, followed the antiviral or the antiproliferative actions. IFN-ω is derived from IFN-a/β and share 75% sequence with IFN-a. It has two intramolecular disulfide bonds which are crucial for activities. Mire-Sluis et al have described bioassays for IFN-α, IFN-β, and IFN-ω that exploit the ability of these factors to inhibit proliferation of TF-1 cells induced by GM-CSF. The bioassays can be used also with Epo and TF-1 cells, or Epo and Epo-transfected UT-7 cells.

Protein Information

Name	IFNW1
Cellular Location	Secreted.