

Active Recombinant Human IFNW1 Protein (22-195aa), C-His tagged

Cat. No. IFNW1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IFN-omega (22-195aa), fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	22-195aa
Description	The protein encoded by this gene is an interferon and possesses antiviral activity. The encoded protein binds to the interferon alpha/beta receptor but not to the interferon gamma receptor. This intronless gene has several pseudogenes spread throughout the genome.
Form	Liquid
Bio-activity	Measured in a cytotoxicity assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 0.07 ng/mL.
Molecular Mass	20.9 kDa (180aa)
AA Sequence	LGCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDFRFPQEMVKGSQQLQKAHVM SVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQQLQHLETCLLVVGEGESA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	GAISSPALTLLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQERLRKDR DLGSS< HHHHHH>
Endotoxin	< 1.0 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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

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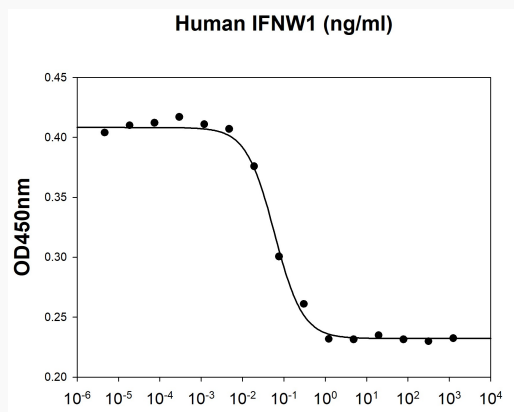
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Protein Refseq NP_002168

MIM 147553

UniProt ID P05000

Biological Activity



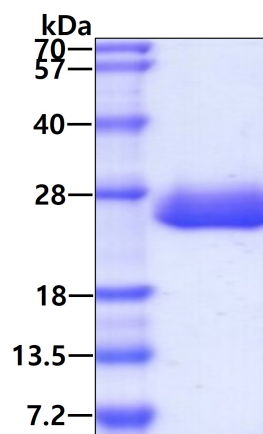
Human Interferon-omega stimulates cytotoxicity of the TF-1 human erythroleukemic cells. The ED50 range ≤ 0.07 ng/mL.

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SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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