

Product datasheet for **TP728130M**

IFNW1 (22-195, His-Tag) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant human IFN-omega protein
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	LGCDLPQNHG LLSRNTLVLL HQMRRISPFL CLKDRRDFRF PQEMVKGSQ L QKAHVMSVLH EMLQQIFSLF HTERSSAAWN MTL LDQLHTG LHQQLQHLET CLLQVVGEGE SAGAISSPAL TLRRYFQGIR VYLKEKKYSD CAWEVVRMEI MKSLFLSTNM QERLRSKDRD LGSS
Tag:	His-Tag
Predicted MW:	20.9kDa (180aa)
Concentration:	1mg/ml (determined by Absorbance at 280nm)
Purity:	> 95% by SDS-PAGE
Buffer:	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Bioactivity:	Measured in a cytotoxicity assay using TF-1 human erythroleukemic cells. The ED50 range ≤ 0.07 ng/ml.
Endotoxin:	< 1 EU per 1ug of protein (determined by LAL method)
Applications:	SDS-PAGE, Bioactivity
Storage:	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
RefSeq:	NP_002168.1
Summary:	IFN-omega, also known as interferon-omega, is a member of a family of proteins with antiviral, growth inhibitory and immunomodulatory activity. Type I IFNs consist of IFN alpha, beta, tau, and omega and bind to the type I IFN receptor, whereas IFN-gamma is the only type II IFN and is specific for the type II IFN receptor. IFN-omega is produced primarily in leukocytes in response to viral infection, and it has biological activities. Also, it was reported that IFN-omega could inhibit the growth of human tumors in vivo. Recombinant human IFN-omega, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.



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