

IFN-omega active protein

Recombinant human IFN-omega protein

CATALOG # AAA48989	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

IFN-omega; Recombinant human IFN-omega protein; interferon omega-1; interferon alpha-II-1; interferon omega 1; IFNW1; IFN-omega 1; IFN-omega active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	22-195aa
Sequence	Leu22 L GCDLPQNHGL LSRNTLVLLH QMRRISPFLC LKDRRDFRFP QEMVKGSQLQ KAHVMSVLHE MLQQIFSLFH TERSSAAWNM TLLDQLHTGL HQQLQHLETC LLQVVGEGES AGAISPALT LRRYFQGIRV YLKEKKYSDC AWEVVRMEIM KSLFLSTNMQ ERLRSKDRDL GSS
Applicable Applications for IFN-omega active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and 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.

ADDITIONAL INFORMATION

Related Product Information for IFN-omega active protein	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.
Product Categories/Family for IFN-omega active protein	Immunology , Hormones & Cytokines ; Proteins
References	Seo Y., et al, (2011) Pharmacology. 87:224-231. Adolf G.R., et al, (1991). Biochim. Biophys. Acta.1089:167-174.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504605
NCBI GeneID	3467

NCBI Accession #	NP_002168.1
NCBI GenBank Nucleotide #	NM_002177.1
UniProt Accession #	P05000 ; Q13168 ; Q5U802 ; Q5VWD0 ; Q7M4P5
Molecular Weight	22,319 Da
NCBI Official Full Name	interferon omega-1
NCBI Official Synonym Full Names	interferon, omega 1
NCBI Official Symbol	IFNW1
NCBI Protein Information	interferon omega-1; IFN-omega 1, interferon omega-1; interferon alpha-II-1
UniProt Protein Name	Interferon omega-1
UniProt Gene Name	IFNW1
UniProt Entry Name	IFNW1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hek293-active-protein/ifn-omega/48989>