

IFN- ω , human recombinant protein
IFN alpha II-1, IFNW1
Catalog # PBV10794r**Specification**

IFN- ω , human recombinant protein - Product info

Primary Accession [Q86WN2](#)
Calculated MW **19.9 kDa** KDa

IFN- ω , human recombinant protein - Additional Info

Gene ID	338376
Gene Symbol	IFNE1
Other Names	
IFN alpha II-1, IFNW1	
Gene Source	Human
Source	E Coli
Assay&Purity	SDS-PAGE; $\geq 98\%$
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	CDLPQNHGLL SRNTLVLLHQ MRRISPFLCL KDRRDFRFPQ EMVKGSQ LQK AHVMSVLHEM LQQIFSLFHT ERSSAAWNMT LLDQLHTGLH QQLQHLETCL LQVVGE GESA GAISSPALTL RRYFQGIRVY LKEKKYSDCA WEVVRMEIMK SLFLSTNMQE RLRSKDRDLG SS

Target/Specificity
IFN- ω

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

IFN- ω , human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFN- ω , human recombinant protein - Images

IFN- ω , human recombinant protein - Background

IFN- ω is a type I interferon, which can be induced by virus-infected leukocytes. Members of the type I interferon family, which includes IFN- α , IFN- β , and IFN- ω , signal through IFNAR-1/IFNAR-2 receptor complex, and exert antiviral and antiproliferative activities. IFN- ω exhibits about 75% sequence homology with IFN- α , and contains two conserved disulfide bonds, which are necessary for full biological activity. Recombinant Human IFN- ω is a 19.9 kDa protein consisting of 172 amino acid residues.

IFN- ω , human recombinant protein - References

Hardy M.P., et al. Genomics 84:331-345(2004).
Clark H.F., et al. Genome Res. 13:2265-2270(2003).
Fung K.Y., et al. Science 339:1088-1092(2013).