

IFN ω /IFN alpha II-1/IFNW1, Human, Recombinant

Cat. No. : PCK281

General Information

Synonyms	IFN alpha II-1;IFNW1
Species	Human
Expression host	E.coli
Sequence	MCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDFRFPQEMVKGSQQLQKAHVMSVLHEML QQIFSLFHTERSSAAWNMTLLDQLHTGLHQQQLHLETCLLQVVGESESAGAISSPALTLLRRYF QGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQERLRKDRDLGSS with polyhistidine tag at the C-terminus.
Accession	P05000.2
Tag	His-tag at the C-terminus
Mol mass	20.93 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce cytotoxicity in TF-1 cells. The ED50 for this effect is < 0.02 ng/mL. The specific activity of recombinant human IFN omega is approximately > 5 ×10 ⁷ IU/ mg.

Product feature

Purity	> 95% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

IFN- ω is a member of the type I interferon family, that can be induced by virus infected leukocytes and exert antiviral and anti-proliferative activities. IFN- ω shares about 75% sequence homology with IFN- α . There are two conserved disulfide bonds that are necessary for full biological activity.

SDS-PAGE

