

Native Human interferon alpha therapeutic protein (Interferon alfa-n1)

Cat. No. Interferon alfa-P031H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified, natural (n is for natural) glycosylated human interferon alpha proteins 166 residues. For treatment of venereal or genital warts caused by the Human Papiloma Virus.
Species	Human
Description	Interferon alpha binds to type I interferon receptors (IFNAR1 and IFNAR2c) which, upon dimerization, activate two Jak (Janus kinase) tyrosine kinases (Jak1 and Tyk2). These transphosphorylate themselves and phosphorylate the receptors. The phosphorylated INFAR receptors then bind to Stat1 and Stat2 (signal transducers and activators of transcription) which dimerize and activate multiple (~100) immunomodulatory and antiviral proteins. Interferon alpha binds less stably to type I interferon receptors than interferon beta.
CAS number	74899-72-2
Molecular Mass	19.24kDa
AA Sequence	CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLH EMIQQIFNLFSTKD SSAAWDETLLDKFYTELYQQNLNDLEACVIQGVGVGTETPLMKED SILAVRKYFQRITLYLKEKKYSPCAWEV VRAEIMRSFSLSTNLQESLRSKE
Endotoxin	< 0.1 eu per µg of the

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Purity

>95%

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