

**IFN $\alpha$ 4/IFNA4, Human, Recombinant**

Cat. No. : PCK157

**General Information**

<b>Synonyms</b>	Interferon alpha-4;Interferon alpha-4B;Interferon alpha-76;Interferon alpha-M1;IFNA4
<b>Species</b>	Human
<b>Expression host</b>	Human Cells
<b>Sequence</b>	Cys24-Asp189
<b>Accession</b>	P05014
<b>Tag</b>	C-6His
<b>Mol mass</b>	20.4 kDa
<b>Expiration date</b>	12 months

**Product feature**

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin (EU/<math>\mu</math>g)</b>	< 0.1
<b>Storage</b>	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
<b>Shipping</b>	Ice bag
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Background**

Interferon stimulates the production of two enzymes: a Protein kinase and an oligoadenylate synthetase. They allow for communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. They are typically divided among three IFN classes: Type I, Type II and Type III. IFNA4 is a secreted Protein and produced by macrophages. Two variants of IFNA4 (IFNA4a and IFNA4b) are known, which differ from each other by changes in their coding regions at nucleotide positions 220 and 410 .