

## Recombinant Human Interferon-alpha 1

<b>Alternate names:</b>	IGF, IGF-1, IGF-IA, IGF-IB, IGF1, IGFI, IGFIGA, IGFIGB, Insulin-like Growth Factor 1, MGF, Somatomedin, Somatomedin C
<b>Catalog No.:</b>	PA1054XC
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1 mg/ml
<b>Background:</b>	Interferons are cytokines that are widely known to induce potent anti-viral activity . Interferon - $\alpha$ exerts a variety of other biological effects, including antitumor and immunomodulatory activities and are increasingly used clinically to treat a range of malignancies, myelodysplasias and autoimmune diseases.
<b>Species:</b>	Tuna
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Sterile Filtered colorless solution. <b>Purity:</b> >95% Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. <b>Buffer System:</b> Phosphate-buffered saline (PBS), pH 7.4.
<b>Description:</b>	IFNA1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 167 amino acids. The IFN-alpha 1 is purified by proprietary chromatographic techniques. <b>AA Sequence:</b> MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAISVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVDSILA VKKYFRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE <b>Molecular weight:</b> 7 kDa 19.5 kDa.
<b>Storage:</b>	Liquid Interferon although stable at 10°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% $\alpha$ -18 HSA or BSA). Please avoid freeze-thaw cycles. Please avoid freeze-thaw cycles.