

## Recombinant Human Interferon-alpha2c(Human IFN- $\alpha$ 2c)

### Product Information

Product Name	Cat#	Size
Recombinant Human Interferon-alpha2c(Human IFN- $\alpha$ 2c)	91210ES10	10 $\mu$ g
	91210ES60	100 $\mu$ g
	91210ES76	500 $\mu$ g

### Product Description

Interferon-alpha (IFN-alpha), also known as leukocyte interferon, represents a group of related but distinct proteins that share over 95% amino acid sequence homology. They are members of the type I interferon family which share a common cell surface receptor composed of two subunits, a 100 kDa ligand-binding subunit (IFN-alpha R2) and a 125 kDa ligand binding and signal transduction subunit (IFN-alpha R1) that is involved both in ligand binding and signal transduction. IFN-alpha has both anti-viral and immunomodulatory activities on target cells.

### Product Properties

<b>Synonyms</b>	IFN- $\alpha$ 2c
<b>Source</b>	Yeast-derived Human IFN- $\alpha$ 2c protein,Cys24-Glu188(K23R,H24R).
<b>Molecular Weight</b>	Approximately 19.3 kDa.
<b>AA Sequence</b>	CDLPQTHSLG SRRTLMLLAQ MRRISLFSCL KDRRDFGFPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVTTETPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES LRSKE
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 97% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	Fully biologically active when compared to standard. The activity is determined by the cytopathic effect inhibition assay.
<b>Endotoxin</b>	< 0.1 EU/ $\mu$ g of protein as determined by LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS, pH 7.4, with 0.02 % Tween-20. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
<b>Reconstitution</b>	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq$ -20 $^{\circ}$ C. Further dilutions should be made in appropriate buffered solutions.

### Shipping and Storage

The products are shipped with ice pack and can be stored at -20 $^{\circ}$ C to -80 $^{\circ}$ C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.