


## Human IFN- $\alpha$ 1a Protein, His tag (Animal-Free)

Cat #: PRP1902

Size: 5  $\mu$ g/20  $\mu$ g/100  $\mu$ g/1 mg

### Product Information

	<b>Product Name:</b> Human IFN- $\alpha$ 1a Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1902	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 95 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Interferon-alpha 1a (IFN-alpha 1a) is a leukocyte interferon, which is a variant of Interferon-alpha. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.

**Sequence:** Amino acid sequence derived from Human IFN  $\alpha$ 1a (Cys 24-Glu 189) (P01562) was expressed with 6 $\times$ His tag at the C-terminus.

**Protein length:** The recombinant Human IFN- $\alpha$ 1a Protein consists of 166 amino acids and predicts a molecular mass of 19.4 kDa.

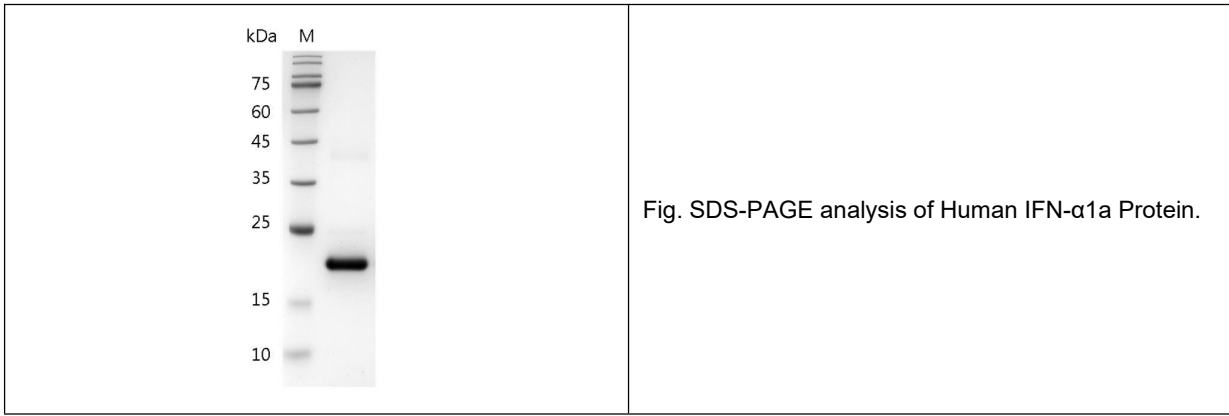
**Biological Activity:** Measured by its ability to inhibit IL-8 secretion in human PBMCs in the presence of LPS. The ED<sub>50</sub> for this effect is <1.12  $\mu$ g /mL.

**Endotoxin:** <0.1 EU per  $\mu$ g of the protein by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH 8.0.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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