



Recombinant Protein Technical Manual  
Recombinant Human Interferon  $\alpha$ -6/IFNA6 Protein  
(His Tag)  
RPES1860

### Product Data:

**Product SKU:** RPES1860

**Size:** 10 $\mu$ g

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P05013

### Protein Information:

**Molecular Mass:** 21.1 kDa

**AP Molecular Mass:** 18 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per  $\mu$ g as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Interferon Alpha-6; IFN-Alpha-6; Interferon Alpha-54; Interferon Alpha-K; LeIF K; IFNA6

## Immunogen Information:

**Sequence:** Ser21-Glu189

## Background:

Interferon  $\alpha$ -6 (IFN- $\alpha$ 6) is a secreted protein which belongs to the  $\alpha/\beta$  interferon family. IFN- $\alpha$ 6 is produced by macrophages, expressed at low level, only 1.0% of the average gene in this release. IFN- $\alpha$ 6 contains interferon alpha, beta and delta domain. IFN- $\alpha$  has antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.