

## IFN-lambda 2/IL-28A Protein, Mouse (HEK293, His, solution)

Cat. No.:	HY-P7991
Synonyms:	Interferon-λ2, IFN-λ2, IL-28A
Species:	Mouse
Source:	HEK293
Accession:	Q4VK74 (D20-193V)
Gene ID:	330496
Molecular Weight:	Approximately 21.8 kDa

### PROPERTIES

AA Sequence	<p>           D P V P R A T R L P    V E A K D C H I A Q    F K S L S P K E L Q    A F K K A K D A I E            K R L L E K D L R C    S S H L F P R A W D    L K Q L Q V Q E R P    K A L Q A E V A L T            L K V W E N M T D S    A L A T I L G Q P L    H T L S H I H S Q L    Q T C T Q L Q A T A            E P R S P S R R L S    R W L H R L Q E A Q    S K E T P G C L E A    S V T S N L F R L L            T R D L K C V A N G    D Q C V         </p>
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	<p>Interferon lambdas (IFN-λs; IFNL1-4) modulate immunity in the context of infections and autoimmune diseases, through a network of induced genes. IL-28A, IL-28B and IL-29 (also designated type III interferons) constitute a new subfamily within the IL-10-interferon family. IL-28A, IL-28B and IL-29 share a common cellular receptor consisting of the cytokine receptor family class II members IL-28R1 (also designated IFN-λR1, LICR2 and CRF2/12) and IL-10R2. IL-28A was shown to reduce viral replication or the cytopathic effect of a range of viruses, including the DNA viruses murine CMV, hepatitis B virus and herpes simplex virus 2, the ss (+) RNA viruses EMCV, west nile virus and hepatitis C virus, as well as the ss (-) RNA viruses vesicular stomatitis virus, influenza-A virus and Hantaan virus<sup>[1][2]</sup>.</p>
------------	---

---

## REFERENCES

---

- [1]. Syedbasha M, et, al. Interferon Lambda: Modulating Immunity in Infectious Diseases. Front Immunol. 2017 Feb 28;8:119.
- [2]. Witte K, et, al. IL-28A, IL-28B, and IL-29: promising cytokines with type I interferon-like properties. Cytokine Growth Factor Rev. 2010 Aug;21(4):237-51.
- 

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA