

IFN- λ 1, human recombinant protein
IL-29
Catalog # PBV10792r**Specification**

IFN- λ 1, human recombinant protein - Product info

Primary Accession [Q8IU54](#)
Calculated MW **19.8 kDa** KDa

IFN- λ 1, human recombinant protein - Additional Info

Gene ID	282618
Gene Symbol	IFNL1
Other Names	
IL-29	
Gene Source	Human
Source	E Coli
Assay&Purity	SDS-PAGE; $\geq$98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	PTSKPTTTGK GCHIGRFKSL SPQELASFKK ARDALEESLK LKNWSCSSPV FPGNWDLRLL QVRERPVALE AELALTLKVL EAAAGPALED VLDQPLHTLH HILSQLQACI QPQPTAGPRP RGRLLHHWLHR LQEAPKKESA GCLEASVTFN LFRLLTRDLK YVADGNLCLR TSTHPEST

Target/Specificity
IFN- λ 1

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.5.

IFN- λ 1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFN- λ 1, human recombinant protein - Images

IFN- λ 1, human recombinant protein - Background

IFN λ -1, -2, and -3 (also known as IL-29, IL-28A and IL-28B respectively) are distantly related to the IL-10 family and Interferons. All three IFN-lambdas uses a distinct receptor system composed of an IFN- λ R1 subunit (also called CRF2-12) and IL-10R2 subunit (also called CRF2-14). Signaling through this receptor system induces antiviral defense similar but distinct than the type I Interferons. Recombinant human IFN- λ 1 is a 19.8 kDa protein containing 178 amino acid residues.

IFN- λ 1, human recombinant protein - References

Sheppard P., et al. Nat. Immunol. 4:63-68(2003).
Kotenko S.V., et al. Nat. Immunol. 4:69-77(2003).
Li M., et al. Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
Grimwood J., et al. Nature 428:529-535(2004).
Donnelly R.P., et al. J. Interferon Cytokine Res. 30:555-564(2010).