

Human CellExp IL-29, Human recombinant protein
Human Cellexp Human Recombinant IL-29
Catalog # PBV10705r**Specification**

Human CellExp IL-29, Human recombinant protein - Product info

Primary Accession [Q8IU54](#)
Calculated MW **29 and 35 kDa, monomer, glycosylated kDa**

Human CellExp IL-29, Human recombinant protein - Additional Info

Gene ID **282618**
Gene Symbol **IFNL1**
Other Names
Interleukin-29, IL-29, IFN-Lambda 1, Interferon-Lambda 1, Cytokine ZCYTO21, IL29, IFNL1, ZCYTO21.

Gene Source **Human**
Source **Human 293 cell expressed**
Assay&Purity **SDS-PAGE; > 95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **0.5 to 5 ng/ml**

Application Notes

Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Format

Lyophilized

Storage

-80°C; Lyophilized in PBS.

Human CellExp IL-29, 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](#)

Human CellExp IL-29, Human recombinant protein - Images**Human CellExp IL-29, Human recombinant protein - Background**

IL-29 is distantly related to type I interferons and the IL-10 family. Expression of IL-29 is induced by viral infection which interacts with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor β (IL10RB) and interleukin 28 receptor α . IL-29 exhibits common features with type I IFNs such as antiviral activity, antiproliferative activity and in vivo antitumor activity. IL-29 acts similarly to IFNs, but is less effective generally and has activity in a more limited range of cell lines. IL-29 produced in response to viral infection, activates both monocytes and macrophages producing a restricted panel of cytokines and therefore is an important factor in activating innate immune responses at the site of viral infection. IFN-Lambda 1 antiviral and antiproliferative activity requires Interferon-Lambda 2 receptor tyrosine residues.

Human CellExp IL-29, 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).