

PRODUCT INFORMATION

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| Target | IL-29 |
| Synonyms | Interferon lambda-1;IFN-lambda-1;Cytokine Zcyto21;Interleukin-29;IL-29;IFNL1;IL29;ZCYTO21 |
| Description | Recombinant Human Interferon Lambda-1 is produced by our Mammalian expression system and the target gene encoding Gly20-Thr200 is expressed with a 10His tag at the C-terminus. |
| Delivery | Under development |
| Uniprot ID | Q8IU54 |
| Expression Host | HEK293 |
| Tag | C-10×His Tag |
| Molecular Characterization | Not available |
| Molecular Weight | 21.4 KDa |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | Interleukin-29 (IL-29) is a secreted protein which belongs to the IL-28/IL-29 family. IL-29 is a cytokine with immunomodulatory activity. IL-29 is highly similar in amino acid sequence to the IL-28. IL-28 and IL-29 are induced by viral infection and showed antiviral activity. IL-28 and IL-29 interacted with a heterodimeric class II cytokine receptor that consisted of IL-10 receptor beta (IL-10R beta) and an orphan class II receptor chain, designated IL-28R alpha. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses. IL-29 may play a role in antiviral immunity. IL-29 up-regulates MHC class I antigen expression. It is a Ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway. |
| Usage | Research use only |
| Conjugate | Unconjugated |

