

HUMAN IL-29 (C-10HIS) PROTEIN

Cat.#: 12065

Product Name: Human IL-29 (C-10His) Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Interferon lambda-1;IFN-lambda-1;Cytokine Zcyto21;Interleukin-29;IL-29;IFNL1;IL29;ZCYTO21

Target: IL-29

UNIPROT ID: Q8IU54

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.

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.

Species/Host: HEK293

Molecular Weight: 21.4 KDa

Molecular Characterization: Not available

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
