IFN-λ1/IL-29 (C-10His), Human, Recombinant

Cat. No. : PCK159

General Information

Synonyms	Interferon lambda-1;IFN-lambda-1;Cytokine Zcyto21;Interleukin-29;IL-29;IFNL1;IL29; ZCYTO21
Species	Human
Expression host	Human Cells
Sequence	Gly20-Thr200
Accession	Q8IU54
Mol mass	21.4 kDa
Expiration date	12 months

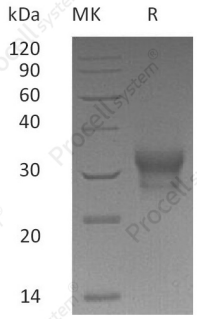
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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.

SDS-PAGE



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