

Recombinant Human IL-29

Catalog No: C668

Description	Recombinant Human Interferon Lambda-1 is produced by our Mammalian expression system and the target gene encoding Gly20-Thr200 is expressed with a 6His at the C-terminus.
Expression System	Human cells
Alternative name	Interferon lambda-1; IFN-lambda-1; Cytokine Zcyto21; Interleukin-29; IL-29; IFNL1; IL29;
Accession No.	Q8IU54

Quality Control Purity: greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.

Reconstitution It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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

