

Recombinant Human IL-28B protein(His Tag)

Catalog Number:PKSH034113



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	interferon lambda 3;IFNL3;IFN-lambda-3;IFN-lambda-4;IL-28C;IL28C
Species	Human
Expression Host	E.coli
Sequence	Val 22-Val 196
Accession	Q8IZI9
Calculated Molecular Weight	25.6 kDa
Observed molecular weight	21 kDa
Tag	C-His
Bioactivity	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED ₅₀ for this effect is < 5 ng/mL.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS,pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Interleukin-28B; also known as Cytokine Zcyto22; Interferon lambda-3; Interferon lambda-4; IFNL3; IFNL4; ZCYTO22 and IL28B; is a secreted cytokine which belongs to the IL-28/IL-29 family. IL-28 has also been shown to play a role in the adaptive immune response. IL28B has immunomodulatory activity and up-regulates MHC class I antigen expression. IL28B displays potent antiviral activity and antitumor activity. In addition; IL28B 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.

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