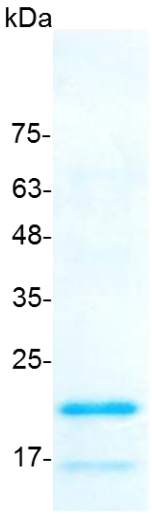
PRODUCT INFORMATION

IL-28B (Interleukin-28B), Human

v. 231001

Catalog number	C01034-5UG / C01034-20UG / C01034-100UG
Package	5 μg / 20 μg / 100 μg
Description	Interleukin-28 (IL-28) is a cytokine that comes in two isoforms, IL-28A and IL-28B, and plays a role in immune defense against viruses, including the induction of an "antiviral state" by turning on Mx proteins, 2',5'-oligoadenylate synthetase as well as ISGF3G (Interferon Stimulated Gene Factor 3). IL-28A and IL-28B belong to the type III interferon family of cytokines and are highly similar (in amino acid sequence) to IL-29. Their classification as Interferons is due to their ability to induce an antiviral state, while their additional classification as cytokines is due to their chromosomal location as well as the fact that they are encoded by multiple exons, as opposed to a single exon, as most type-I IFNs are.
Source	*Escherichia coli*
Sequence	MVPVARLRGALPDARGCHIAQFKSLSPQELQAFKRAKDALEESLLLKDCKCRS RLFPRTWDLRQLQVRERPVALEAELALTLKVLEATADTDPALGDVLDQPLHTLH HILSQLRACIQPQPTAGPRTRGRLHHWLHRLQEAPKKESPGCLEASVTFNLFRL LTRDLNCVASGDLCV with polyhistidine tag at the C-terminus
Endotoxin level	<0.01 EU per 1 μg of the protein by the LAL method.
Activity	Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED_{50} for this effect is <5 ng/mL.
Purity	>95% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human IL-28B

For research use only.

Croyez Bioscience Co., Ltd. | Tel: +886-2-27065557 | E-mail: info@croyezbio.com
croyezbio.com | 11 F., No. 1-10, Sec. 5, Zhongxiao E. Rd., Xinyi Dist., Taipei City 11071, Taiwan (R.O.C.)