

## Recombinant human IL-28A (Active, Tag free)

- Cat. Number:** ck0009
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 26-200aa, Tag free, full length mature protein
- Swiss-Prot:** Q8IZJ0
- Gene ID:** 282616
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 24kDa
- Endotoxin Level:** <0.5EU/ug
- Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein  
Animal and Xeno free
- Activity Assay:** The activity was measured by its anti-virus function in A549 cells (human lung adenocarcinoma epithelial cell line) infected with encephalomyocarditis (EMC) virus.
- Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
- Stability & Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80 °C under sterile conditions after reconstitution.
- Description:** IL-28A, also named interferon λ2 (IFNλ2), belongs to the type III interferon protein family, which is distinct from the type I IFNs. IL-28A is induced by virus infection or double stranded RNA. IL-28A acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. IL-28A has antiviral, antitumour and immunomodulatory activities, plays a critical role in the antiviral host defense, predominantly in the epithelial tissues.

***Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.***