

Recombinant human IL-29 (Active,Tag free)

- Cat. Number:** ck0011
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 20-200aa, Tag free, full length mature protein
- Swiss-Prot:** Q8IU54
- Gene ID:** 282618
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 29-35kDa
- 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 antivirus 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-29 belongs to the type III interferon protein family, which is distinct from the type I IFNs. IL29 is induced by virus infection or double stranded RNA. IL-29 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-29 has antiviral, antitumour and immunomodulatory activities. IL-29 is primarily active in epithelial cells and this cell type selective action is because of the epithelial cell specific expression of its receptor IFNLR1. It also exerts an immunomodulatory effect by up regulating MHC class I antigen expression.

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