

Recombinant human IL-18 protein (Active, E.coli)

Catalog Number: bs-48056P

Species: Human

AA Seq: 37-193/193

Predicted MW: 18.2

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 10 EU/mg

Purity: $\geq 95\%$ as determined by SDS-PAGE.

Purification: AC

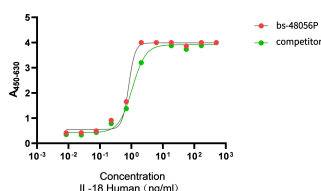
Form: Lyophilized

Storage: Lyophilized from 0.22 μ m-filtered solution in PBS, 5% mannitol, 0.01% Tween 80, pH7.4

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution.

Background: IL18 (IFN-gamma-inducing factor, IGIF) is a novel pro-inflammatory cytokine that augments natural killer (NK) activity in spleen cells. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

VALIDATION IMAGES



Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha. The ED50 for this effect is ≤ 2.0 ng/mL.