

Recombinant human IL-18 protein

Catalog Number: bs-47118P

Concentration: >0.5 mg/ml

AA Seq: 37-193/193

Predicted MW: 18.1

Detected MW: Due to glycosylation, the protein migrates to 19 kDa based on Tris-Bis PAGE result.

Tags: Tag free

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

Form: Liquid

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

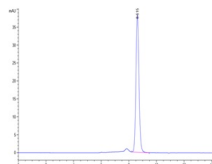
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

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



Recombinant Human IL-18 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Recombinant Human IL-18 Protein is greater than 95% as determined by SEC-HPLC.