

Active Recombinant Mouse Il18 protein, His-tagged

Cat. No. II18-5700M Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Il18 protein(P70380)(36~192 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	36-192 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	IL18 (interleukin 18) is a cytokine that shares similarities in structure with IL1, and is produced by macrophages and other cells. IL18 has been reported to stimulate T cells proliferation and NK cell activity, besides, murine IL18 has been found to enhance the production of INF γ in spleen cells in vitro. Thus, a stimulation assay was conducted to detect the activity of IL18 using murine spleen cells. Briefly, murine spleen cells were seeded into wells of 6-well plates at a density of 2×10^6 cells/mL in RPMI-1640 with the addition of various concentrations of IL18. After incubation for 48 hours, the concentration of INF γ in the cell supernatant was detected using an ELISA kit. INF γ levels in the cell supernatant of spleen cells increased significantly after stimulated with IL18.
Molecular Mass	19.4kDa

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Purity	> 90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in ddH ₂ O to a concentration less than or equal to 0.1mg/mL. Do not vortex.

GENE INFORMATION

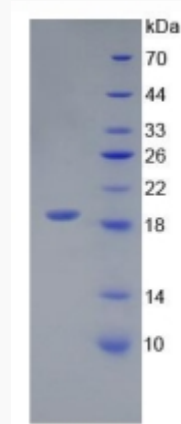
Gene Name	Il18 interleukin 18 [<i>Mus musculus</i>]
Official Symbol	Il18
Synonyms	IL18; interleukin 18; interleukin-18; IL-1 gamma; interleukin-1 gamma; IFN-gamma-inducing factor; interferon gamma-inducing factor; interferon-gamma-inducing factor; Igif; Il-18;
Gene ID	16173
mRNA Refseq	NM_008360
Protein Refseq	NP_032386

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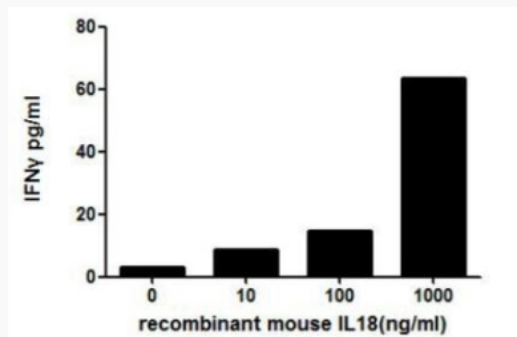
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SDS-PAGE



Activity



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