

Active Recombinant Cynomolgus Monkey IL18BP Protein, His-tagged

Cat. No. IL18BP-56C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus Monkey IL18BP (Thr28-Arg207) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Cynomolgus
Source	CHO
ProteinLength	28-207
Description	The protein encoded by this gene functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Bio-activity	Measured by its ability to inhibit the IL-18-induced response of KG-1 human acute myelogenous leukemia cells. The ED50 for this effect is 0.015-0.075 µg/mL
Molecular Mass	20 kDa
N-terminal Sequence Analysis	Thr28

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Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	IL18BP interleukin 18 binding protein [Homo sapiens (human)]
Official Symbol	IL18BP
Synonyms	IL18BP; interleukin 18 binding protein; FVH; IL18BPa; interleukin-18-binding protein; MC51L-53L-54L homolog gene product; tadekinig-alfa
Gene ID	10068
mRNA Refseq	NM_173044
Protein Refseq	NP_766632

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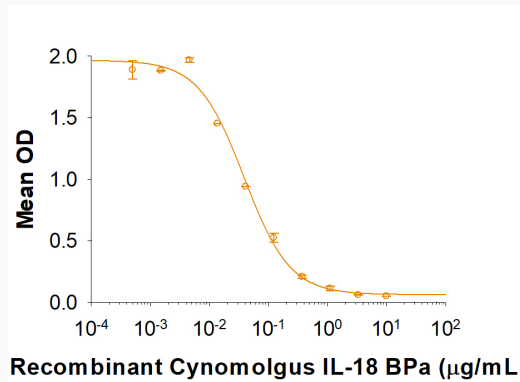
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MIM 604113

UniProt ID O95998

Bioactivity



Recombinant Cynomolgus Monkey IL-18 BPA inhibits Recombinant Human IL-18-induced IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells. The ED50 for this effect is 0.015-0.075 µg/mL.

SDS-PAGE

2 µg/lane of Recombinant Cynomolgus Monkey IL-18 BPA was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 54-60 kDa.

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