

Active Recombinant Human IL18BP protein, His-tagged

Cat. No. IL18BP-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL18BP protein (Met1-Gly194), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met1-Gly194
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	1. Measured by its ability to bind biotinylated Cynomolgus IL18 in functional ELISA. 2. 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 0.05-0.35µg/mL in the presence of 50 ng/mL of recombinant human IL-18.
Molecular Mass	The recombinant human IL18BPα consists of 175 amino acids and has a predicted molecular mass of 19 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of human IL18BPα is approximately 40.3 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [IL18BP interleukin 18 binding protein \[Homo sapiens \]](#)

Official Symbol [IL18BP](#)

Synonyms IL18BP; interleukin 18 binding protein; interleukin-18-binding protein; IL18BPα; MC51L 53L 54L homolog gene product; IL-18BP; tadekinig-alfa; MC51L-53L-54L homolog gene product;

Gene ID [10068](#)

mRNA Refseq [NM_001039659](#)

Protein Refseq [NP_001034748](#)

MIM [604113](#)

UniProt ID [O95998](#)

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