

Active Recombinant Human IL18BP Protein

Cat. No. IL18BP-75H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL18BP Protein without tag was expressed in CHO.
Species	Human
Source	CHO
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	ED50 < 30 ng/mL, measured in a bioassay using KG-1 cells in the presence of 50 ng/mL Human IL-18.
Molecular Mass	42-44 kDa, observed by reducing SDS-PAGE.
AA Sequence	TPVSQTTTAATASVRSTKDPSPQPPVFPAAKQCPALEVTWPEVEVPLNGTSLSLSC VACSRFPNFSILYWLGNNGSFIEHLPGRWLWEGSTSRERGSTGTQLCKALVLEQLTPAL HSTNFSCVLVDPEQVVQRHVLAQLWAGLRATLPPTQEALPSSHSSPQQQG
Endotoxin	< 0.2 EU/μg determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Storage	Lyophilized recombinant Human IL-18BP remains stable up to 6 months at lower than -70 centigrade from date of receipt. Upon reconstitution, Human IL-18BP should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.

GENE INFORMATION

Gene Name	IL18BP interleukin 18 binding protein [Homo sapiens (human)]
Official Symbol	IL18BP
Synonyms	IL18BP; interleukin 18 binding protein; FVH; IL18BPα; interleukin-18-binding protein; MC51L-53L-54L homolog gene product; tadekinig-alfa
Gene ID	10068
mRNA Refseq	NM_173044
Protein Refseq	NP_766632
MIM	604113
UniProt ID	O95998

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