

Recombinant Human IL18BP Protein, His-tagged

Cat. No. IL18BP-315H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL18BP protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	194
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.
Form	Lyophilized
Molecular Mass	18.5 kDa
AA Sequence	MTMRHNWTPDLSPLWVLLCAHVVTLLVRATPVSQTTTAATASVRSTKDPCPSQPP VFPAAKQCPALEVTWPEVEVPLNGTSLSCVACSRFPNFSILYWLGNCSFIEHLPGR LWEGSTSRERGSTGTQLCKALVLEQLTPALHSTNFSCVLVDPEQVVQRHVLAQLW AGLRATLPPTQEALPSSHSSPQQQG

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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

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mRNA Refseq	NM_001039659
Protein Refseq	NP_001034748
MIM	604113
UniProt ID	O95998

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