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Datasheet for ABIN7520170 IL18BP Protein (Fc Tag,His tag)

Overview

Quantity:	50 µg
Target:	IL18BP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL18BP protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human IL-18BP Protein
Sequence:	TPVSQTTTAA TASVRSTKDP CPSQPPVFPA AKQCPALEVT WPEVEVPLNG TLSLSCVACS RFPNFSILYW LGNGSFIEHL PGRLWEGSTS RERGSTGTQL CKALVLEQLT PALHSTNFC VLVDPEQVVQ RHVVLAQLWA GLRATLPPTQ EALPSSHSSP QQQG
Specificity:	Thr31-Gly194
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human IL18BP at 2 µg/mL (100 µL/well) can bind IL18 with a linear range of 0.128-47.02 ng/mL.

Target Details

Target:	IL18BP
Alternative Name:	IL-18BP (IL18BP Products)
Background:	<p>Description: Interleukin-18-binding protein (IL-18BP) is a constitutively expressed and secreted protein. IL-18BP is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (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.</p> <p>Name: IL18BP,IL18BPα</p>
Gene ID:	10068
UniProt:	O95998

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>