

[Go to Product page](#)

Datasheet for ABIN7535778 IL18BP Protein (His tag)

Overview

Quantity:	100 µg
Target:	IL18BP
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL18BP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IL-18BP Protein
Sequence:	TSAPQTTATV LTGSSKDPCS SWSPAVPTKQ YPALDVIWPE KEVPLNGTLT LSCTACSRFP YFSILYWLGN GSFIEHLPGR LKEGHTSREH RNTSTWLHRA LVLEELSPTL RSTNFSCLFV DPGQVAQYHI ILAQLWDGLK TAPSPSQETL SSHSPVSRSA GPGVA
Specificity:	Thr29-Ala193
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	IL18BP
Alternative Name:	IL-18BP (IL18BP Products)

Target Details

Background: 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) and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. The adjacently located family members IL18 Receptor 1 (IL18R1) and IL18 receptor accessory protein (IL18RAP) may also be important in the development of asthma and atopy. IL-18 binding protein (IL-18BP) was only moderately elevated, resulting in a high level of biologically active free IL-18 in HPS. A severe IL-18/IL-18BP imbalance results in Th-1 lymphocyte and macrophage activation, which escapes control by NK-cell cytotoxicity and may allow for secondary HPS in patients with underlying diseases.

Name: MC54L,Igifbp,IL-18BP,IL18BP

Gene ID: 16068

UniProt: [Q9Z0M9](#)

Application Details

Restrictions: For Research Use only

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: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
