

PRODUCT INFORMATION

IL18BP **Target**

Synonyms IL18BP;IL18BPa;Tadekinig-alfa

Recombinant Cynomolgus IL18BP protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** A0A2K5UDJ4 **Expression Host HEK293**

Tag C-6×His Tag

Molecular

Background

Usage

IL18BP(Thr28-Pro207) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 20.1 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

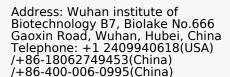
interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. The adjacently located family members IL18 Receptor 1 (IL18R1) and IL18 receptor accessory protein (IL18RAP) may also be important in the development of asthma and atopy. 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

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escapes control by NK-cell cytotoxicity and may allow for secondary HPS in patients with

underlying diseases. Research use only

Conjugate Unconjugated





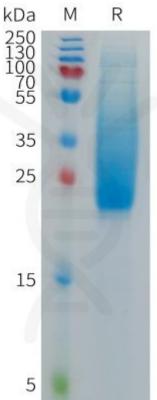


Figure 1. Cynomolgus IL18BP Protein, His Tag on SDS-PAGE under reducing condition.

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