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## Datasheet for ABIN2018075 IL18BP Protein (AA 31-194)

### Overview

Quantity:	50 µg
Target:	IL18BP
Protein Characteristics:	AA 31-194
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Characteristics:	ED50 < 30 ng /mL, measured in a bioassay using KG-1 cells in the presence of 50 ng/mL Human IL-18.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### Target Details

Target:	IL18BP
Alternative Name:	Interleukin-18 Binding Protein (IL-18 BP) ( <a href="#">IL18BP Products</a> )
Background:	Interleukin-18 binding protein, also known as IL-18BP and tadekinig-alfa, is a secreted glycoprotein that contains an Ig-like C2-type domain. It is expressed in heart, lung, placenta and spleen. IL-18BP functions as an inhibitor of the proinflammatory cytokine IL-18. It binds to IL-18, prevents the binding of IL-18 to its receptor, and thus blocks IL-18-induced IFN-gamma

## Target Details

production. The complete Ig domain has been shown to mediate the binding and neutralizing properties. IFN-gamma is able to upregulate the expression of IL-18BP, indicating that IL-18 activity is regulated by a feedback mechanism through IL-18BP.

Synonyms: Tadekinig-alfa, IL18BP

Molecular Weight: 42-44 kDa, observed by reducing SDS-PAGE.

UniProt: [O95998](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human IL-18BP remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human IL-18BP should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months